

10/560,953

=> d his

(FILE 'HOME' ENTERED AT 10:48:29 ON 13 AUG 2010)

FILE 'REGISTRY' ENTERED AT 10:48:38 ON 13 AUG 2010

L1 STRUCTURE UPLOADED  
L2 42 S L1  
L3 99804 S 5-6-7/SZ  
L4 163779 S 6-6-7/SZ  
L5 376419 S 6-7/SZ  
L6 5308 S L1 SSS FUL  
L7 4055 S L6 AND CAPLUS/LC

FILE 'CAPLUS' ENTERED AT 10:56:20 ON 13 AUG 2010

L8 1078 S L6  
L9 141434 S L3 OR L4 OR L5

FILE 'REGISTRY' ENTERED AT 11:00:52 ON 13 AUG 2010

L10 STRUCTURE UPLOADED  
L11 5245 S L10 SUB=L6 FUL  
L12 63 S L6 NOT L11

FILE 'CAPLUS' ENTERED AT 11:02:31 ON 13 AUG 2010

L13 25 S L12

FILE 'REGISTRY' ENTERED AT 11:02:39 ON 13 AUG 2010

L14 38 S L12 AND CAPLUS/LC  
L15 25 S L12 NOT L14

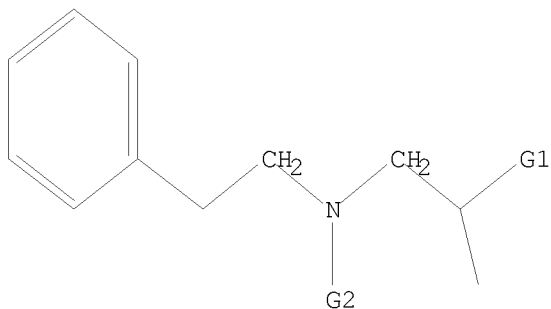
FILE 'CAPLUS' ENTERED AT 11:03:03 ON 13 AUG 2010

L16 1059 S L11  
L17 10 S L9 AND L13  
L18 4 S L16 AND L17  
L19 10 S L17 OR L18

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 OH,X,SO<sub>2</sub>

G2 H,Ak

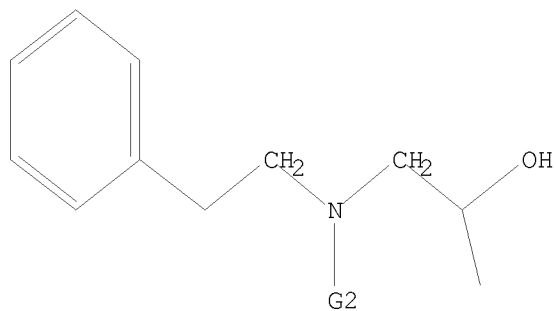
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10/560,953

=> d 110

L10 HAS NO ANSWERS

L10 STR



G1 OH,X,SO<sub>2</sub>

G2 H,Ak

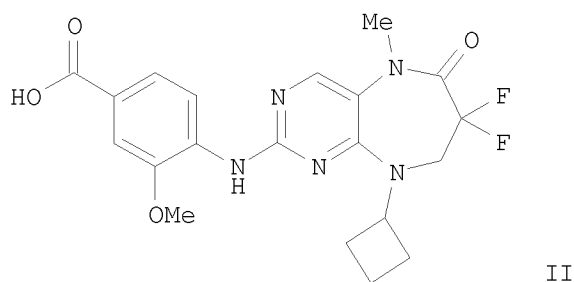
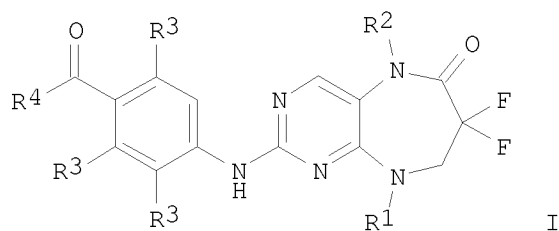
Structure attributes must be viewed using STN Express query preparation.

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10/560,953

L19 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2010 ACS on STN  
ACCESSION NUMBER: 2009:1597089 CAPLUS  
DOCUMENT NUMBER: 152:75085  
TITLE: Preparation of pyrimidodiazepine derivatives for use  
as PLK1 inhibitors  
INVENTOR(S): Cai, Jianping; Chen, Shaoqing; Chu, Xin-Jie; Luk,  
Kin-Chun Thomas; Mischke, Steven Gregory; Sun,  
Hongmao; Wovkulich, Peter Michael  
PATENT ASSIGNEE(S): F. Hoffmann-La Roche AG, Switz.  
SOURCE: PCT Int. Appl., 305pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2009153197	A1	20091223	WO 2009-EP57144	20090610
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,				
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG,				
ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP,				
KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA,				
MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE,				
PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV,				
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,				
IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI,				
SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,				
TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,				
ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
US 20090318408	A1	20091224	US 2009-485108	20090616
PRIORITY APPLN. INFO.:			US 2008-73388P	P 20080618
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT				
OTHER SOURCE(S):		MARPAT 152:75085		
GI				



AB Title compds. I [R1 = H, alkyl, cycloalkyl, phenoxyethyl, etc.; R2 = H, Me, or Et; each R3 independently = H, Cl, F, alkyl, etc.; R4 = OH, OMe, NH2, etc.], and their pharmaceutically acceptable salts, are prepared and disclosed as PLK1 inhibitors. Thus, e.g., II was prepared by protection of cyclopentylamine followed by alkylation with formaldehyde, alkylation with Et bromodifluoroacetate, deprotection, heteroarylation with 2,4-dichloro-5-nitropyrimidine, reduction, cyclization, and amination with 4-amino-3-methoxybenzoic acid. I were evaluated in PLK1 inhibition assays, e.g., II demonstrated an IC50 value of 1 to 50 nM.

IT	1062243-48-4P	1137867-66-3P	1137867-67-4P
	1137869-89-6P	1137870-06-4P	1137870-07-5P
	1137870-10-0P	1137870-11-1P	1137870-13-3P
	1137870-14-4P	1201691-04-4P	1201691-14-6P
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	1201692-70-7P	1201692-78-5P	1201692-86-5P
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	1201693-23-3P	1201693-29-9P	1201693-35-7P
	1201693-41-5P	1201693-46-0P	

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

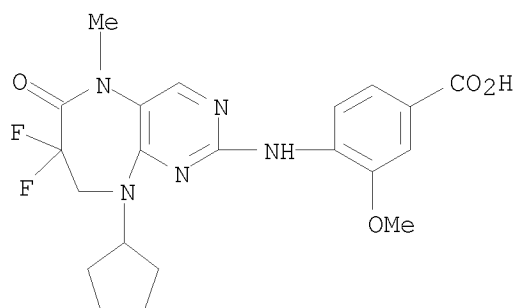
(preparation of pyrimidodiazepine derivs. for use as PLK1 inhibitors)

RN 1062243-48-4 CAPLUS

CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX

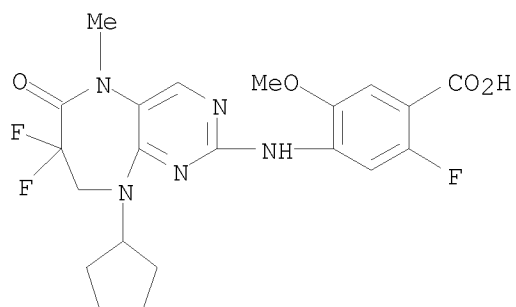
10/560,953

NAME)



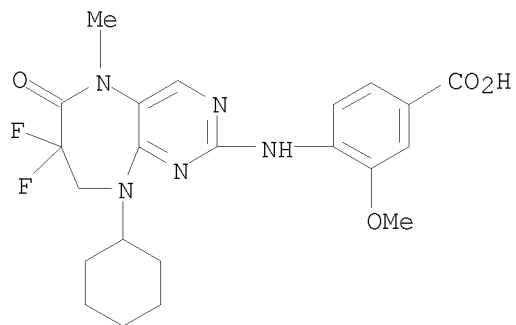
RN 1137867-66-3 CAPLUS

CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2-fluoro-5-methoxy- (CA INDEX NAME)



RN 1137867-67-4 CAPLUS

CN Benzoic acid, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)

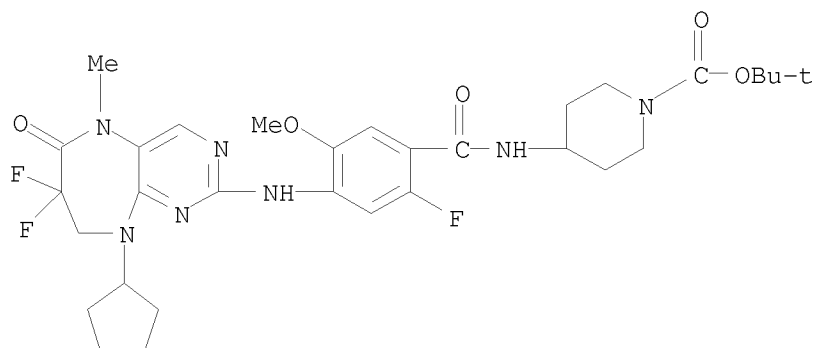


RN 1137869-89-6 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-

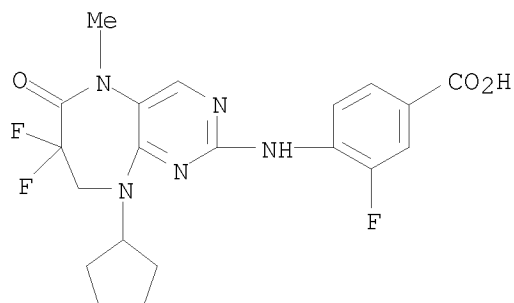
10/560,953

tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2-fluoro-5-methoxybenzoyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)



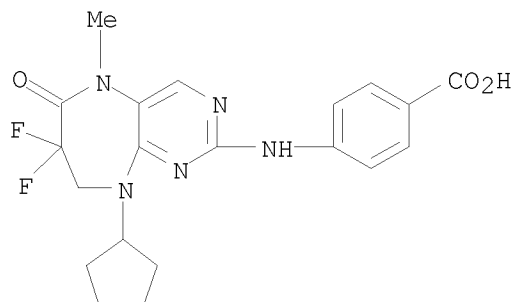
RN 1137870-06-4 CAPLUS

CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-fluoro- (CA INDEX NAME)



RN 1137870-07-5 CAPLUS

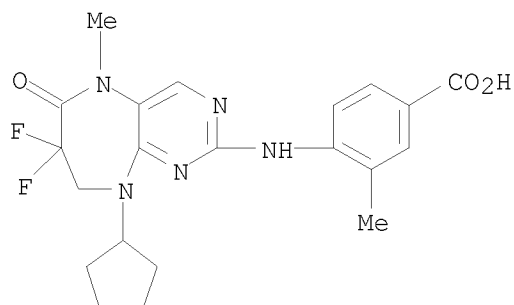
CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]- (CA INDEX NAME)



RN 1137870-10-0 CAPLUS

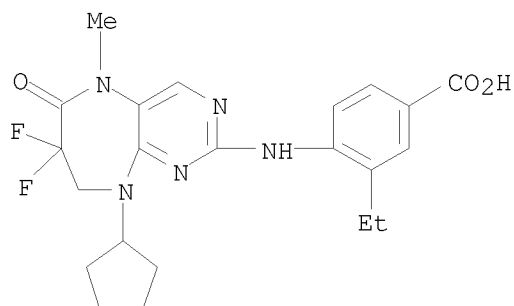
CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methyl- (CA INDEX NAME)

10/560,953



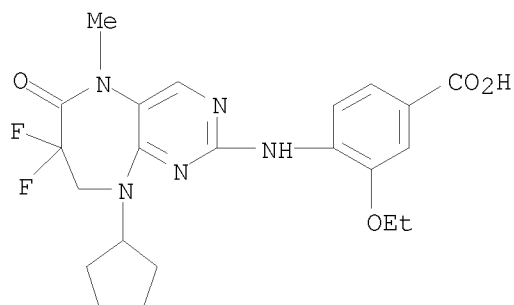
RN 1137870-11-1 CAPLUS

CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethyl- (CA INDEX NAME)



RN 1137870-13-3 CAPLUS

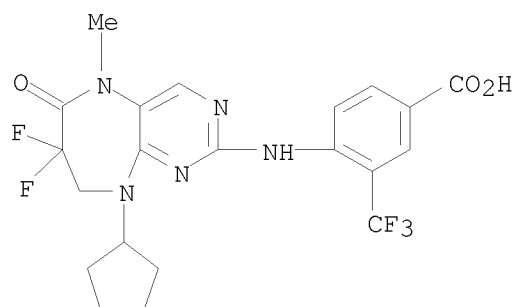
CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethoxy- (CA INDEX NAME)



RN 1137870-14-4 CAPLUS

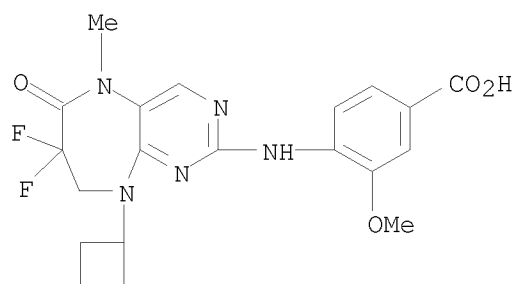
CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-(trifluoromethyl)- (CA INDEX NAME)

10/560,953



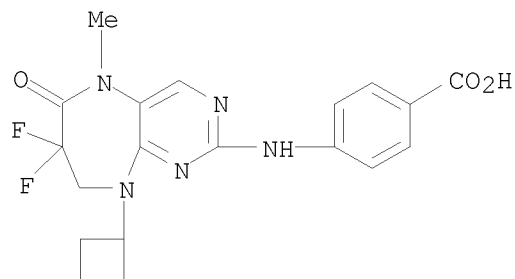
RN 1201691-04-4 CAPLUS

CN Benzoic acid, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)



RN 1201691-14-6 CAPLUS

CN Benzoic acid, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]- (CA INDEX NAME)



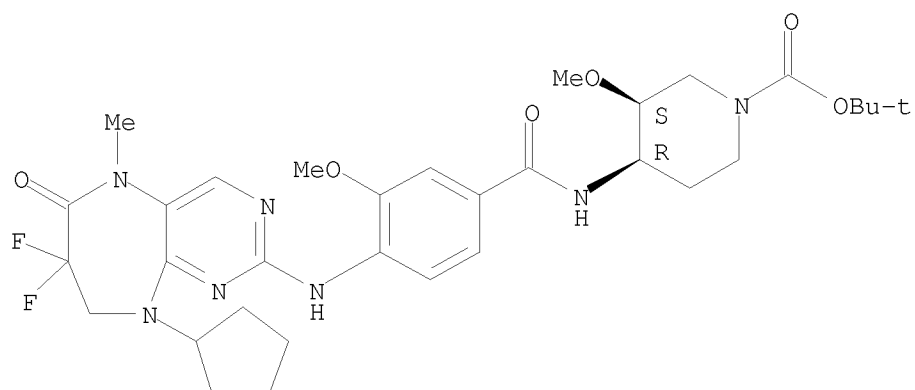
RN 1201691-49-7 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]-3-methoxy-, 1,1-dimethylethyl ester, (3R,4S)-rel- (CA INDEX NAME)

Relative stereochemistry.

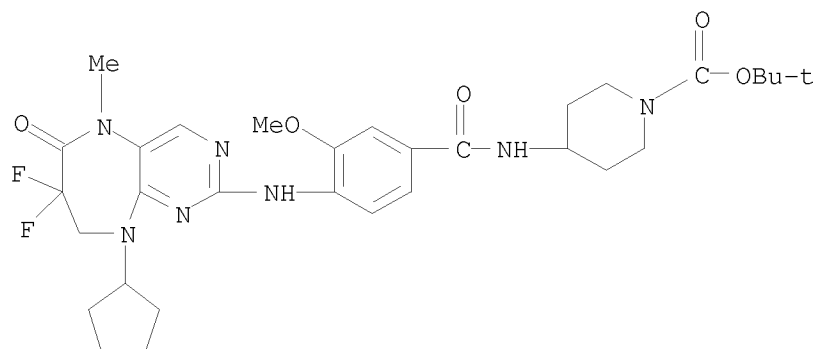


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RN 1201691-61-3 CAPLUS

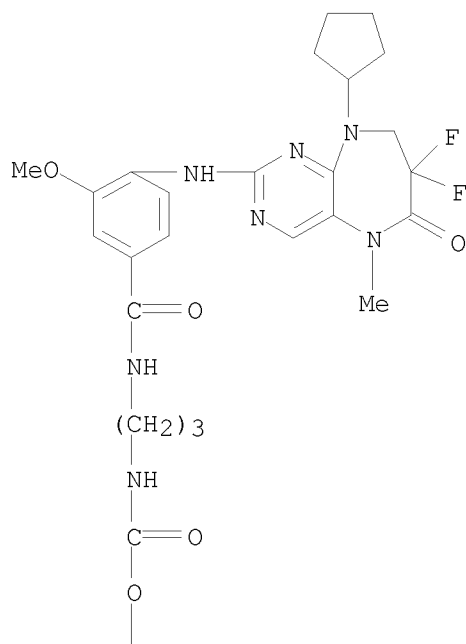
CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)



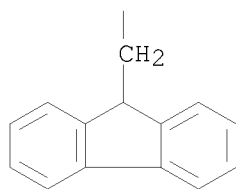
RN 1201691-62-4 CAPLUS

CN Carbamic acid, N-[3-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]propyl]-, 9H-fluoren-9-ylmethyl ester (CA INDEX NAME)

PAGE 1-A



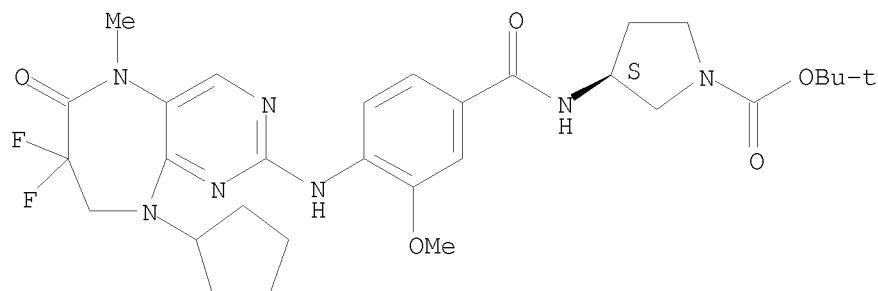
PAGE 2-A



RN 1201691-69-1 CAPLUS

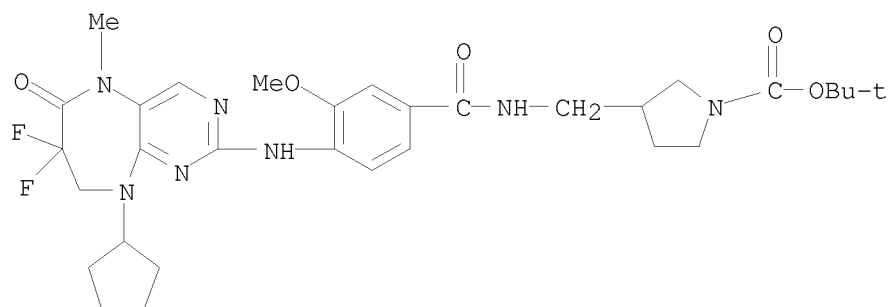
CN 1-Pyrrolidinecarboxylic acid, 3-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]-, 1,1-dimethylethyl ester, (3S)- (CA INDEX NAME)

Absolute stereochemistry.



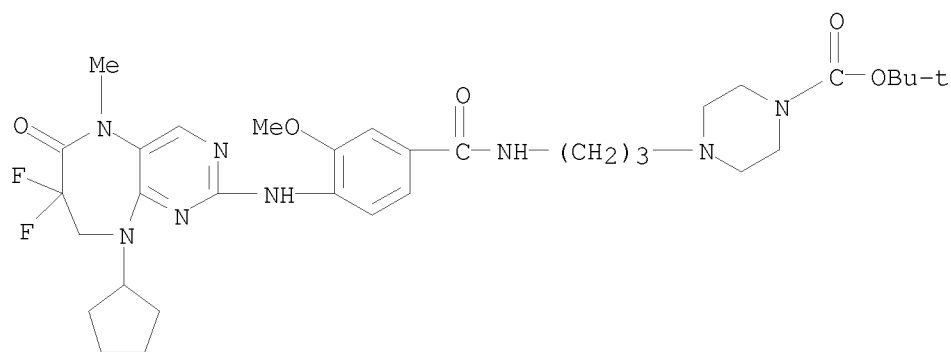
RN 1201691-79-3 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]methyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 1201691-81-7 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[3-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]propyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

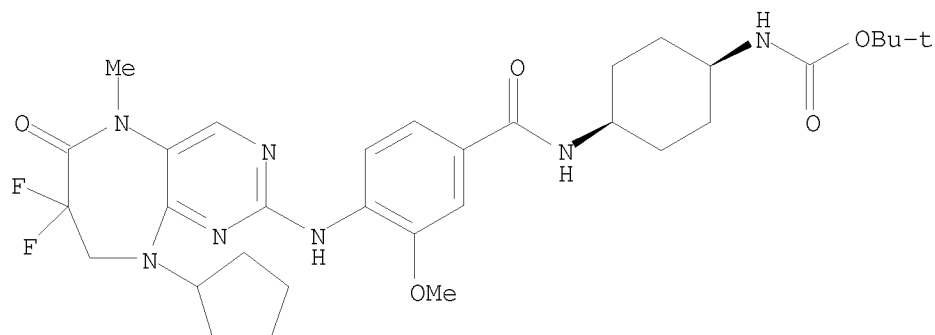


RN 1201691-84-0 CAPLUS

CN Carbamic acid, N-[cis-4-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]cyclohexyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

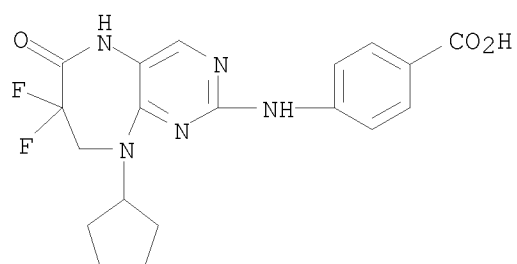
10/560,953

Relative stereochemistry.



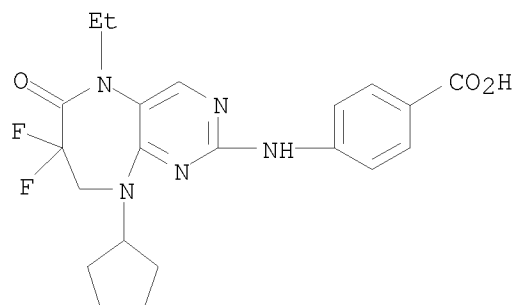
RN 1201692-12-7 CAPLUS

CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]- (CA INDEX NAME)



RN 1201692-19-4 CAPLUS

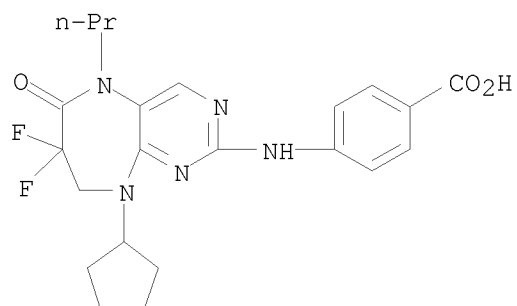
CN Benzoic acid, 4-[(9-cyclopentyl-5-ethyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]- (CA INDEX NAME)



RN 1201692-25-2 CAPLUS

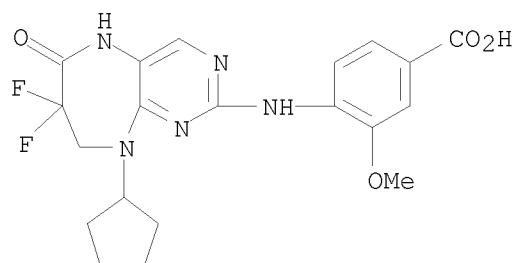
CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5-propyl-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]- (CA INDEX NAME)

10/560,953



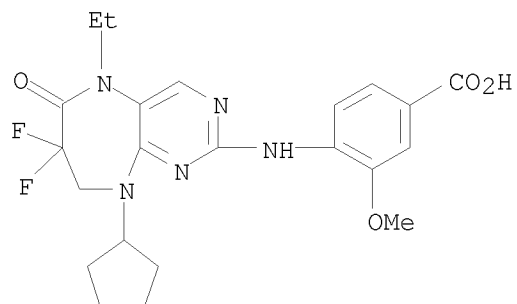
RN 1201692-32-1 CAPLUS

CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)



RN 1201692-37-6 CAPLUS

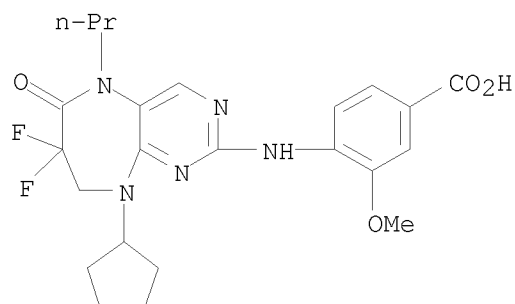
CN Benzoic acid, 4-[(9-cyclopentyl-5-ethyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)



RN 1201692-43-4 CAPLUS

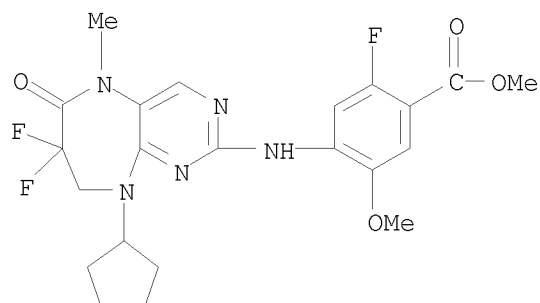
CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5-propyl-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)

10/560,953



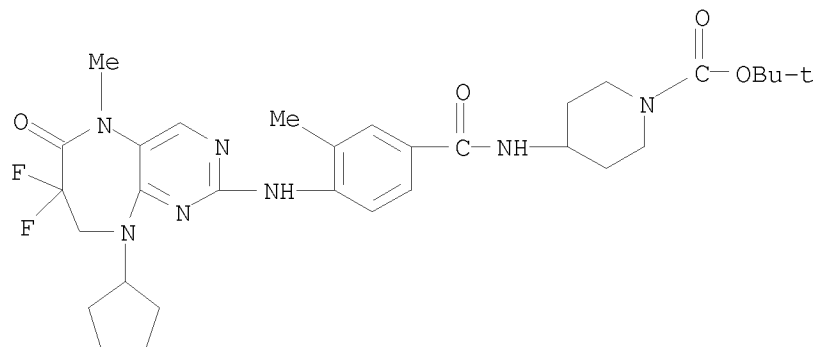
RN 1201692-49-0 CAPLUS

CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2-fluoro-5-methoxy-, methyl ester (CA INDEX NAME)



RN 1201692-62-7 CAPLUS

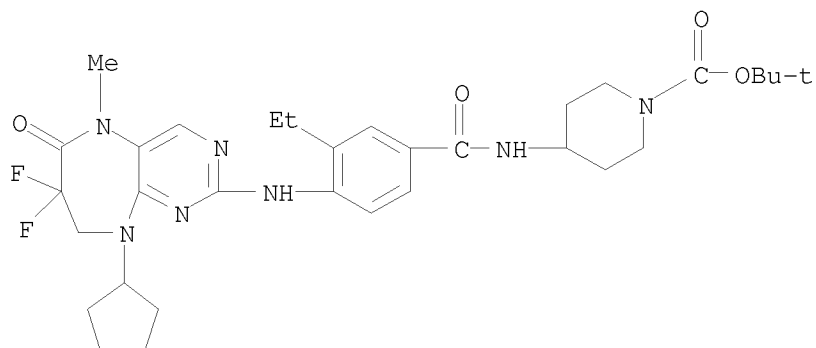
CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methylbenzoyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 1201692-70-7 CAPLUS

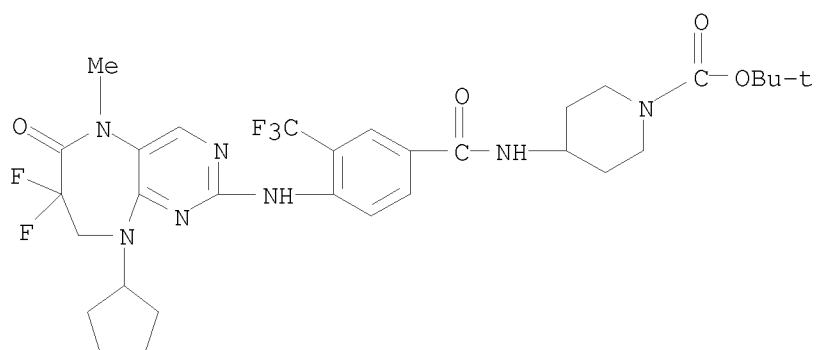
CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethylbenzoyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)

10/560,953



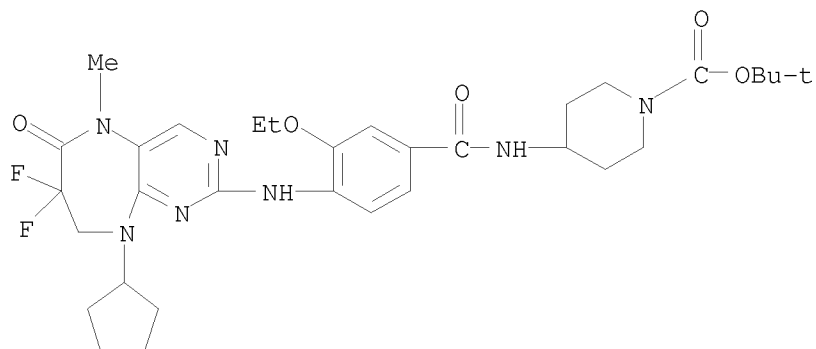
RN 1201692-78-5 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-(trifluoromethyl)benzoyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 1201692-86-5 CAPLUS

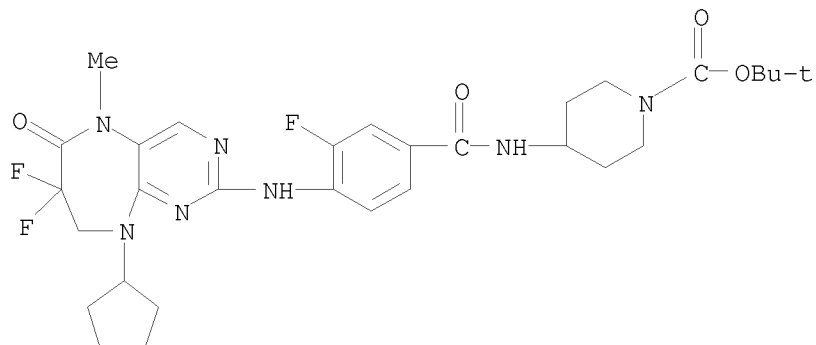
CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethoxybenzoyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 1201692-94-5 CAPLUS

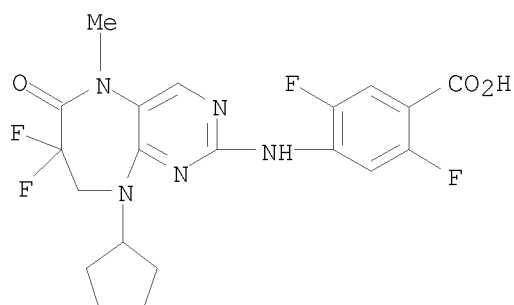
10/560,953

CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-fluorobenzoyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)



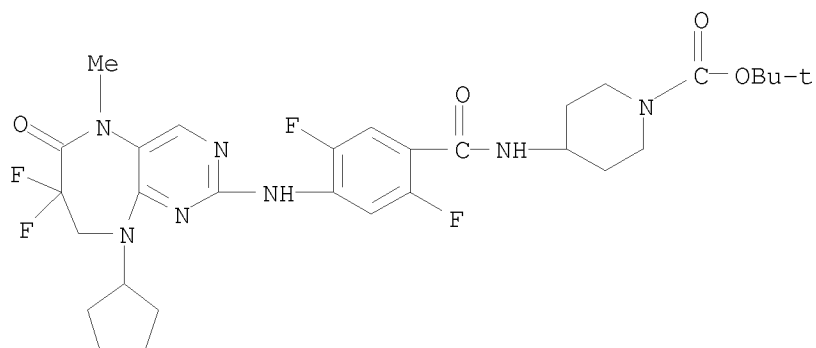
RN 1201692-97-8 CAPLUS

CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2,5-difluoro- (CA INDEX NAME)



RN 1201693-04-0 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2,5-difluorobenzoyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)

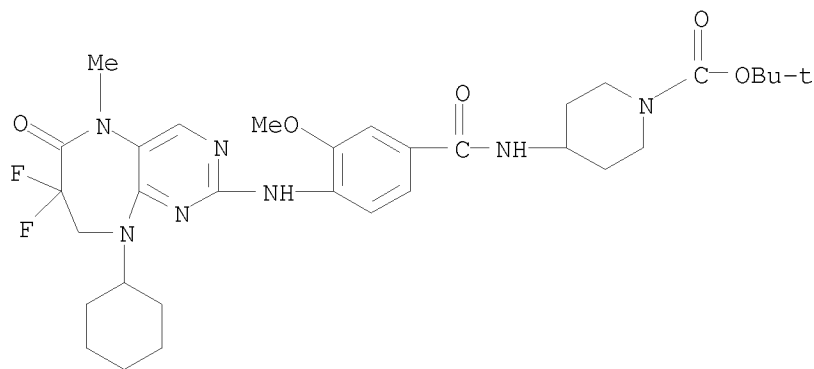




10/560,953

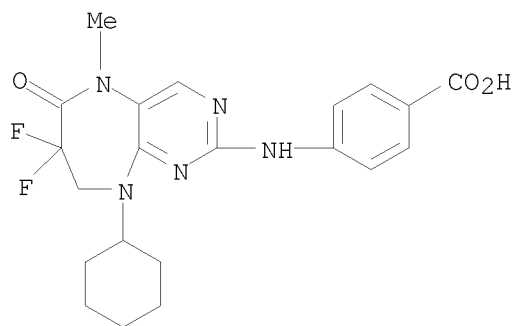
RN 1201693-11-9 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 1201693-12-0 CAPLUS

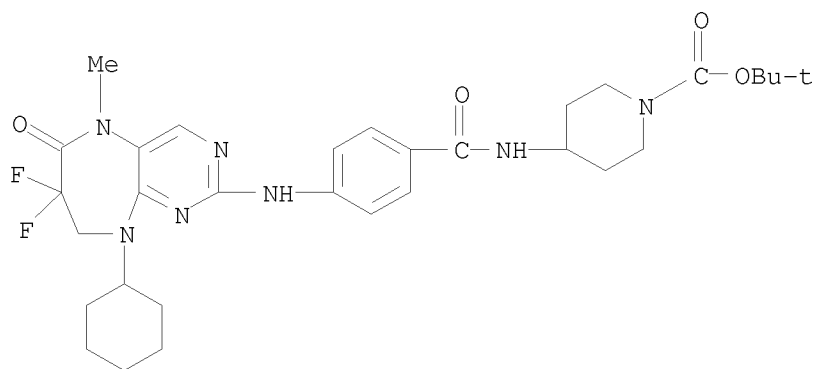
CN Benzoic acid, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]- (CA INDEX NAME)



RN 1201693-15-3 CAPLUS

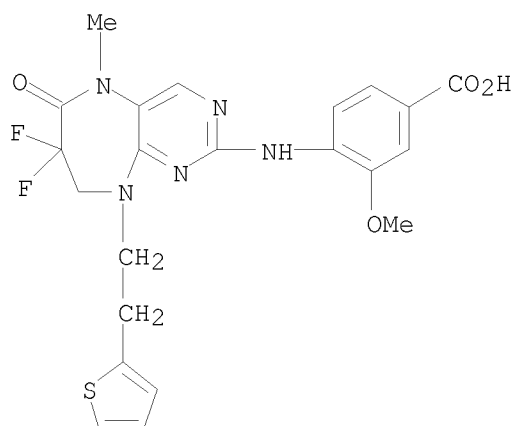
CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]benzoyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)

10/560,953



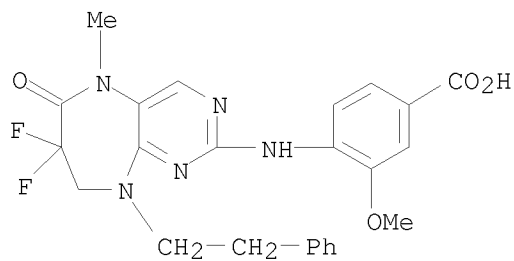
RN 1201693-23-3 CAPLUS

CN Benzoic acid, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-[2-(2-thienyl)ethyl]-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy- (CA INDEX NAME)



RN 1201693-29-9 CAPLUS

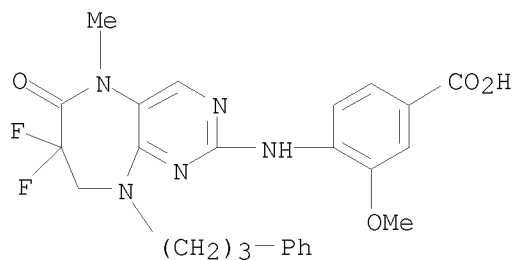
CN Benzoic acid, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-(2-phenylethyl)-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy- (CA INDEX NAME)



RN 1201693-35-7 CAPLUS

10/560,953

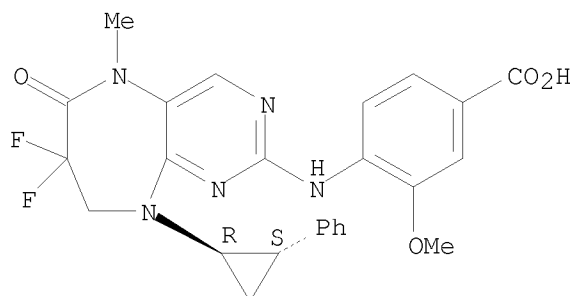
CN Benzoic acid, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-(3-phenylpropyl)-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy- (CA INDEX NAME)



RN 1201693-41-5 CAPLUS

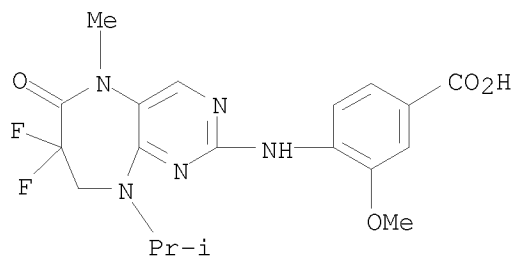
CN Benzoic acid, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-[(1R,2S)-2-phenylcyclopropyl]-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-, rel- (CA INDEX NAME)

Relative stereochemistry.



RN 1201693-46-0 CAPLUS

CN Benzoic acid, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-9-(1-methylethyl)-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy- (CA INDEX NAME)



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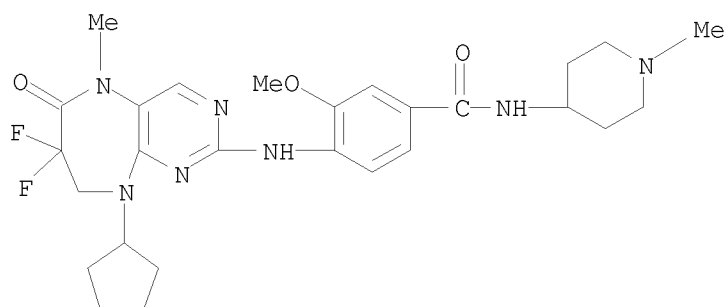
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RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pyrimidodiazepine derivs. for use as PLK1 inhibitors)

RN 1062243-51-9 CAPLUS

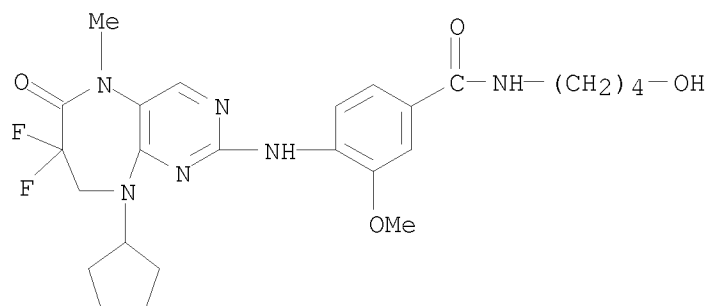
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



RN 1108195-27-2 CAPLUS

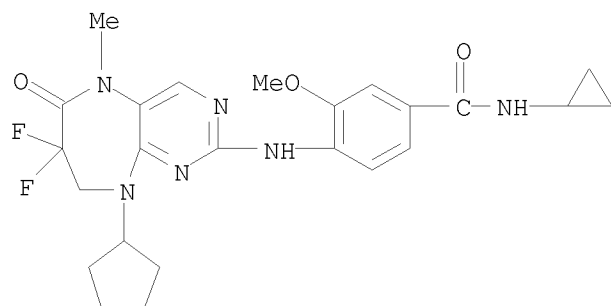
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(4-hydroxybutyl)-3-methoxy- (CA INDEX NAME)

10/560,953



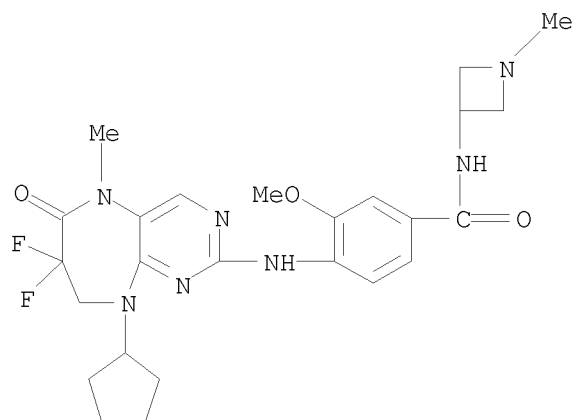
RN 1137867-37-8 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-cyclopropyl-3-methoxy- (CA INDEX NAME)



RN 1137867-38-9 CAPLUS

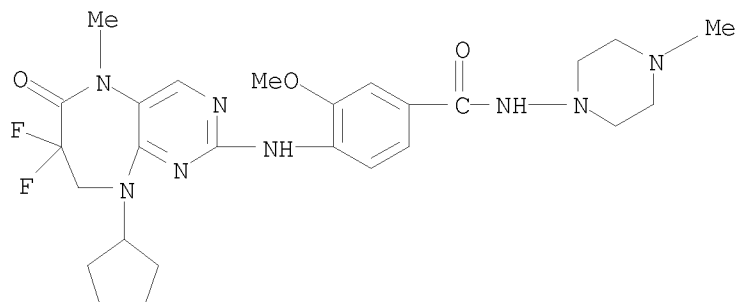
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(1-methyl-3-azetidiny)- (CA INDEX NAME)



RN 1137867-40-3 CAPLUS

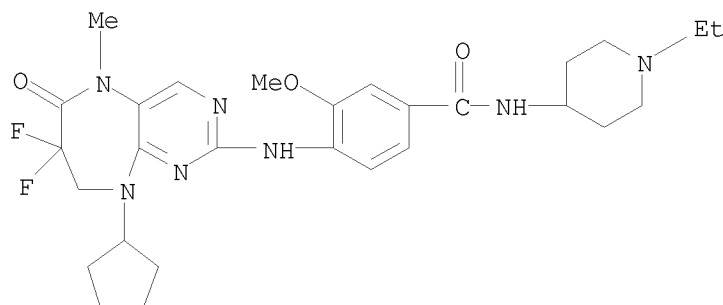
10/560,953

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(4-methyl-1-piperazinyl)- (CA INDEX NAME)



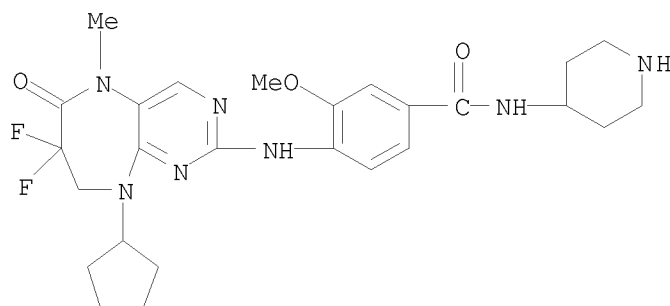
RN 1137867-41-4 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-ethyl-4-piperidinyl)-3-methoxy- (CA INDEX NAME)



RN 1137867-45-8 CAPLUS

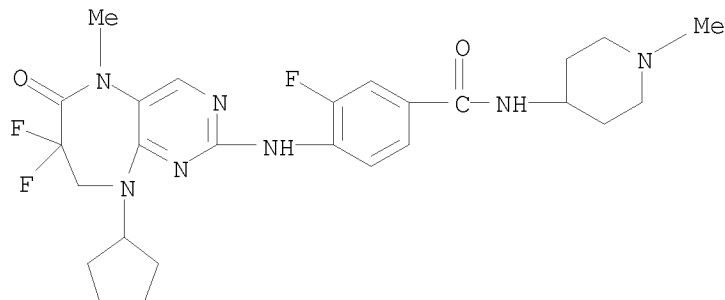
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-4-piperidinyl- (CA INDEX NAME)



RN 1137867-57-2 CAPLUS

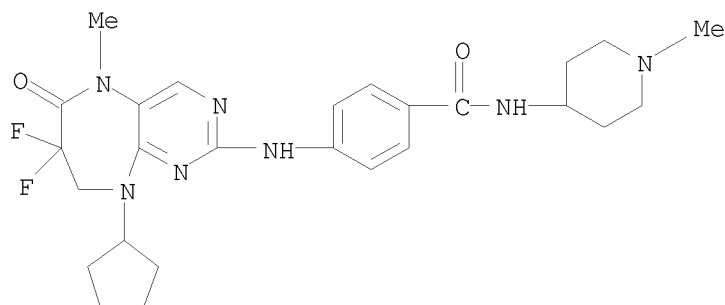
10/560,953

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-fluoro-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



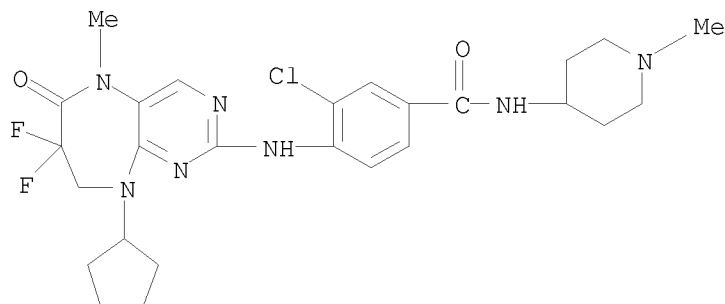
RN 1137867-58-3 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



RN 1137867-59-4 CAPLUS

CN Benzamide, 3-chloro-4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)

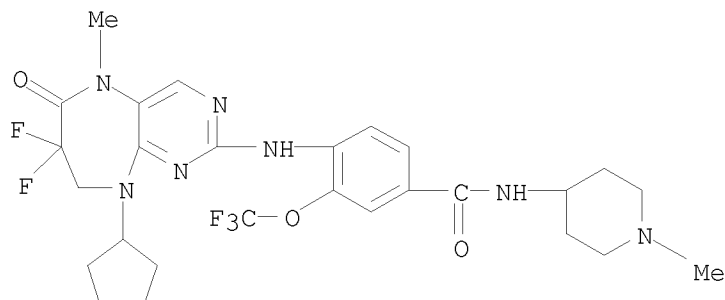


RN 1137867-60-7 CAPLUS



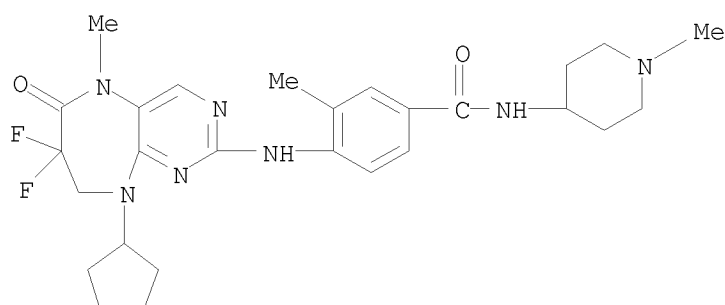
10/560,953

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-methyl-4-piperidinyl)-3-(trifluoromethoxy)- (CA INDEX NAME)



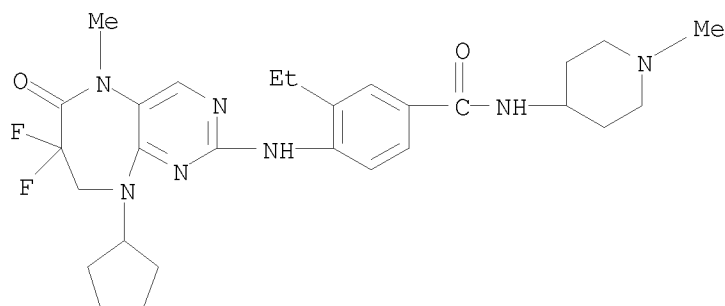
RN 1137867-61-8 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methyl-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



RN 1137867-62-9 CAPLUS

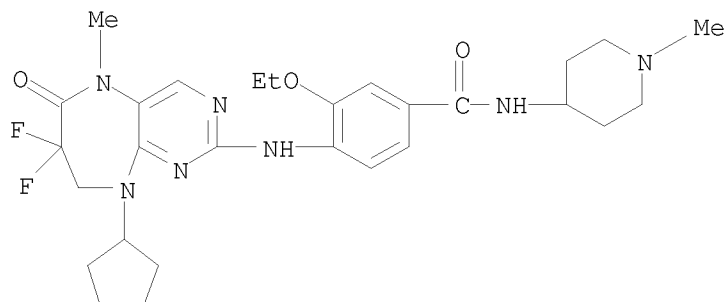
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethyl-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



RN 1137867-64-1 CAPLUS

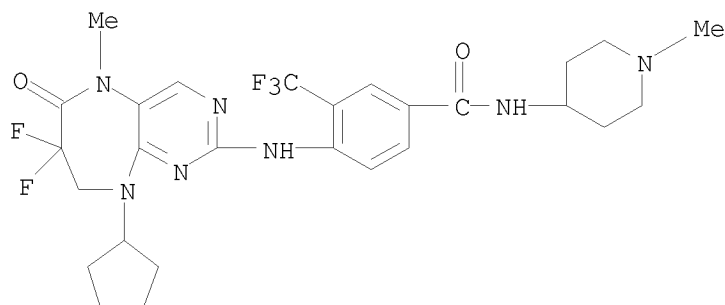
10/560,953

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethoxy-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



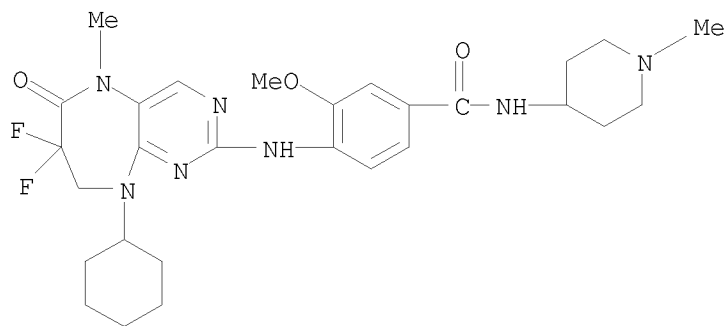
RN 1137867-65-2 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-methyl-4-piperidinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 1137867-68-5 CAPLUS

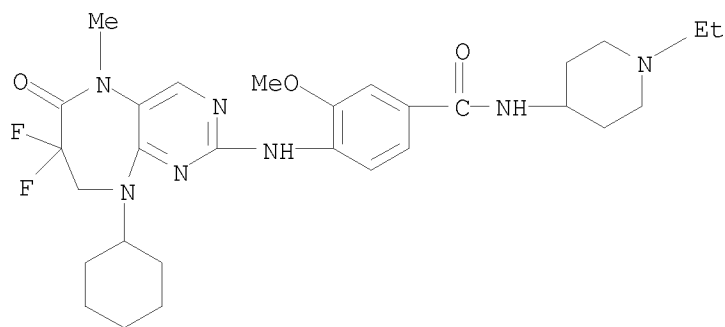
CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



10/560,953

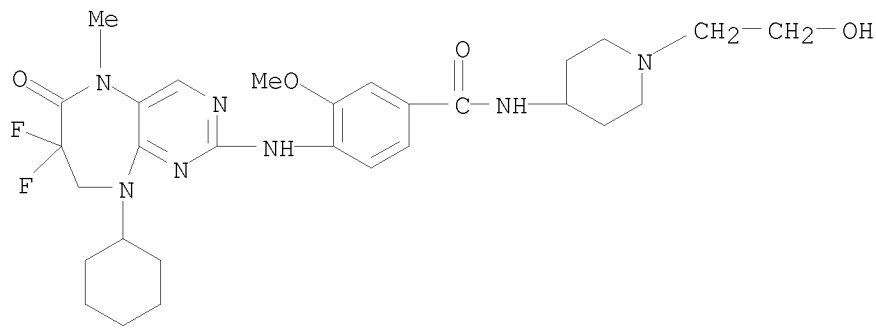
RN 1137867-71-0 CAPLUS

CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-ethyl-4-piperidinyl)-3-methoxy- (CA INDEX NAME)



RN 1137867-79-8 CAPLUS

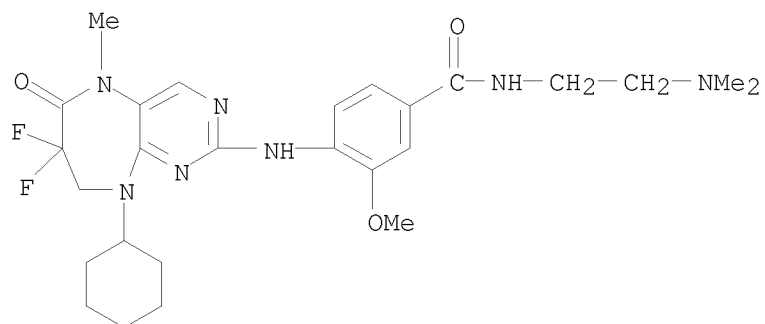
CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[1-(2-hydroxyethyl)-4-piperidinyl]-3-methoxy- (CA INDEX NAME)



RN 1137867-88-9 CAPLUS

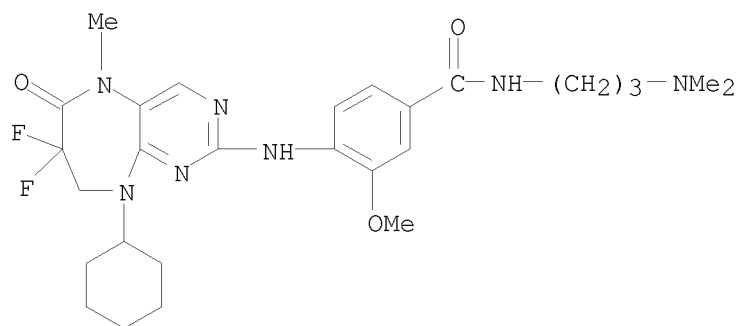
CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[2-(dimethylamino)ethyl]-3-methoxy- (CA INDEX NAME)

10/560,953



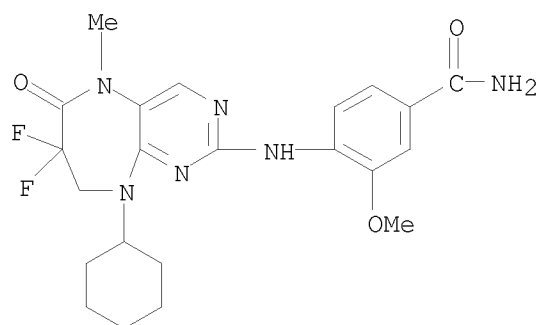
RN 1137867-89-0 CAPLUS

CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-3-methoxy- (CA INDEX NAME)



RN 1137867-92-5 CAPLUS

CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)

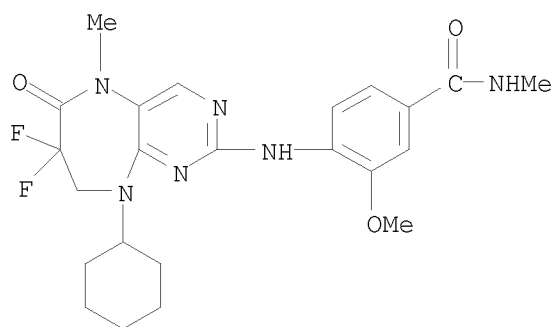


RN 1137867-93-6 CAPLUS

CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-methyl- (CA INDEX NAME)

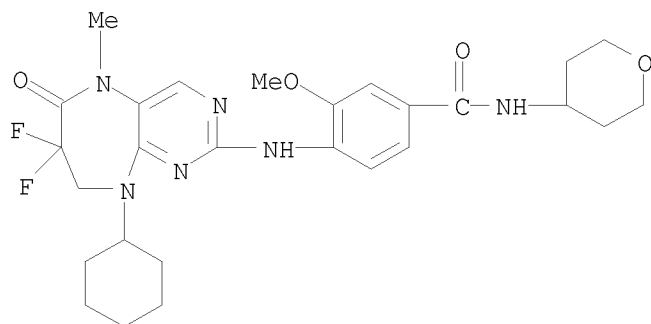
10/560,953

NAME)



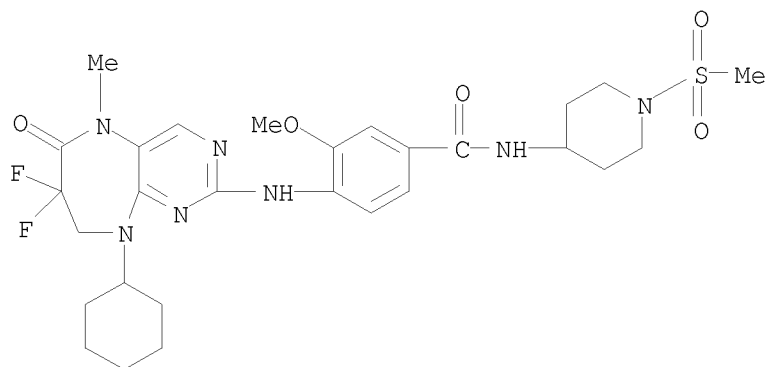
RN 1137867-99-2 CAPLUS

CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)



RN 1137868-01-9 CAPLUS

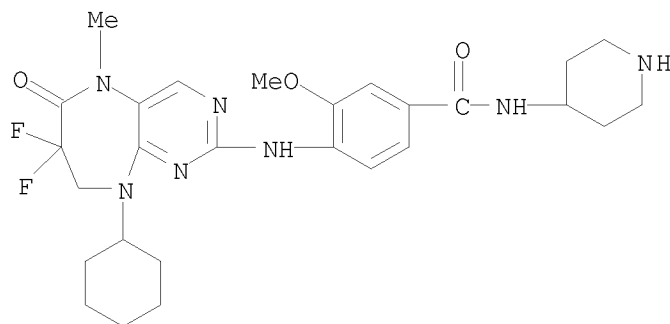
CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[1-(methylsulfonyl)-4-piperidinyl]- (CA INDEX NAME)



10/560,953

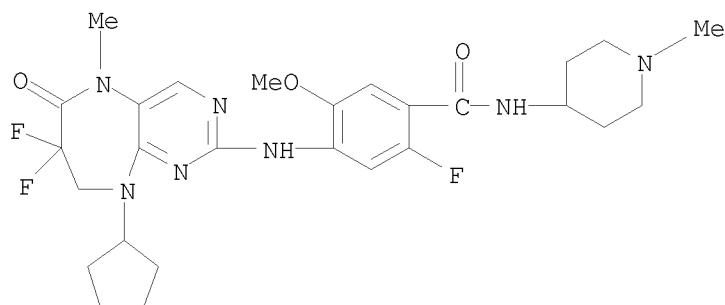
RN 1137868-03-1 CAPLUS

CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-4-piperidinyl- (CA INDEX NAME)



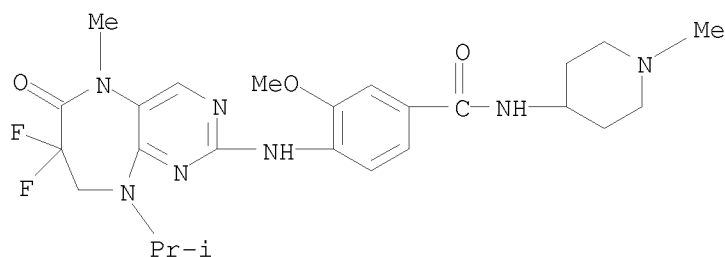
RN 1137868-52-0 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2-fluoro-5-methoxy-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



RN 1137868-93-9 CAPLUS

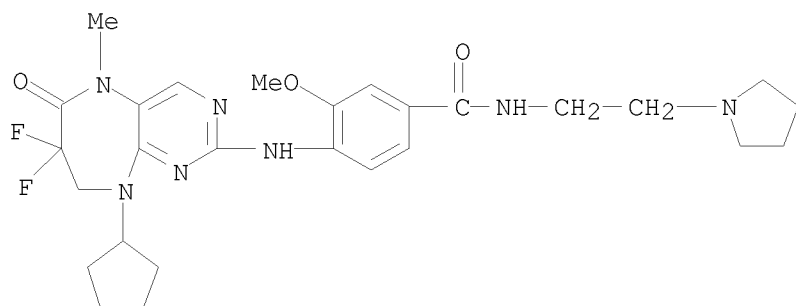
CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-9-(1-methylethyl)-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



10/560,953

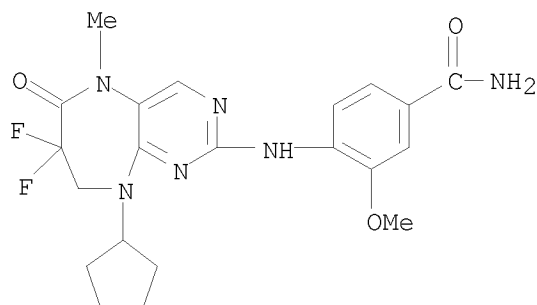
RN 1137868-97-3 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[2-(1-pyrrolidinyl)ethyl]- (CA INDEX NAME)



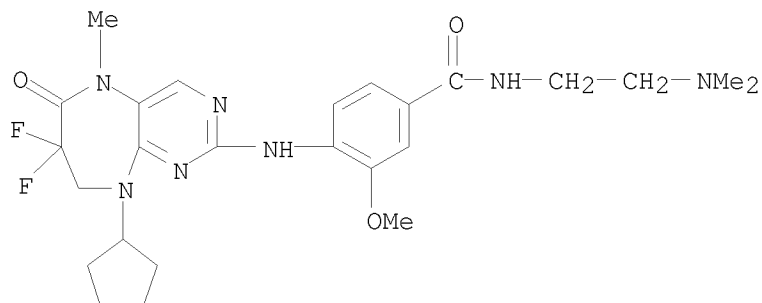
RN 1137868-98-4 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)



RN 1137868-99-5 CAPLUS

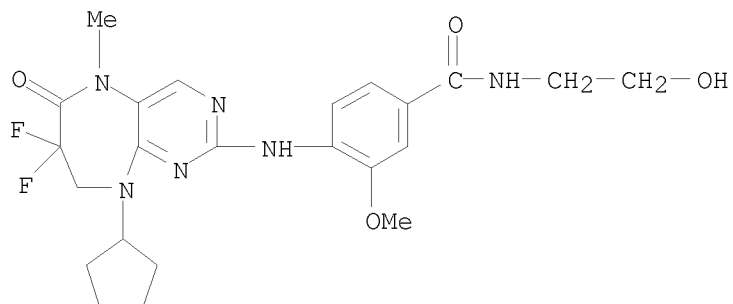
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[2-(dimethylamino)ethyl]-3-methoxy- (CA INDEX NAME)



10/560,953

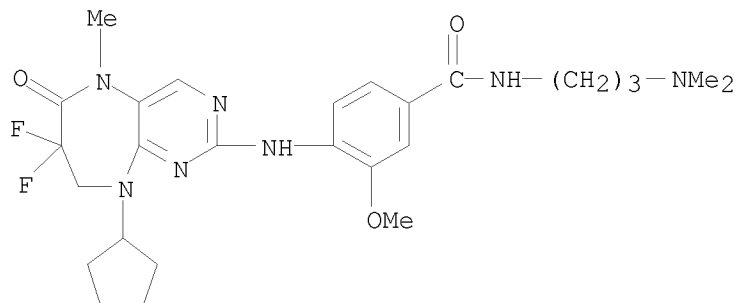
RN 1137869-00-1 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(2-hydroxyethyl)-3-methoxy- (CA INDEX NAME)



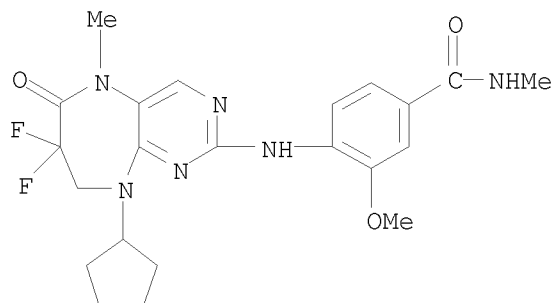
RN 1137869-02-3 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-3-methoxy- (CA INDEX NAME)



RN 1137869-03-4 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-methyl- (CA INDEX NAME)

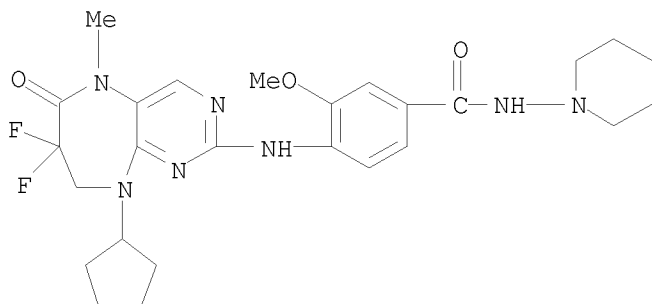




10/560,953

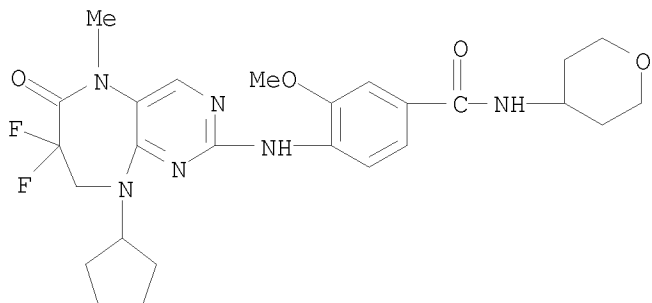
RN 1137869-09-0 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-1-piperidinyl-  
(CA INDEX NAME)



RN 1137869-11-4 CAPLUS

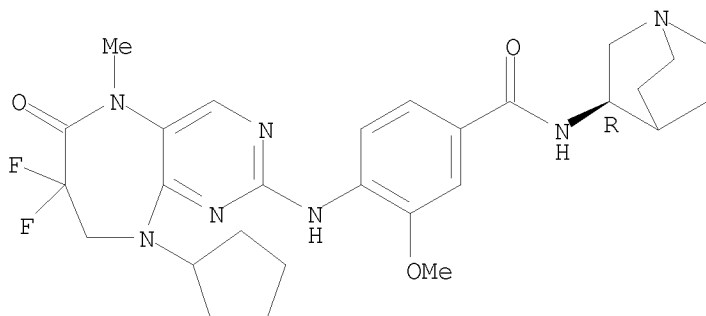
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)



RN 1137869-15-8 CAPLUS

CN Benzamide, N-(3R)-1-azabicyclo[2.2.2]oct-3-yl-4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)

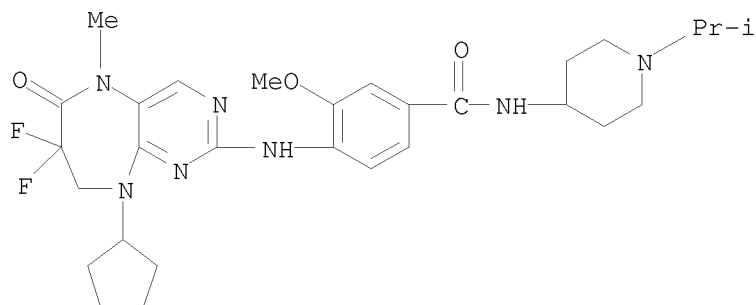
Absolute stereochemistry.



10/560,953

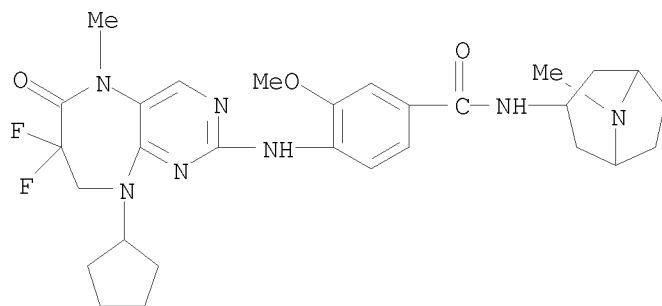
RN 1137869-16-9 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[1-(1-methylethyl)-4-piperidiny]- (CA INDEX NAME)



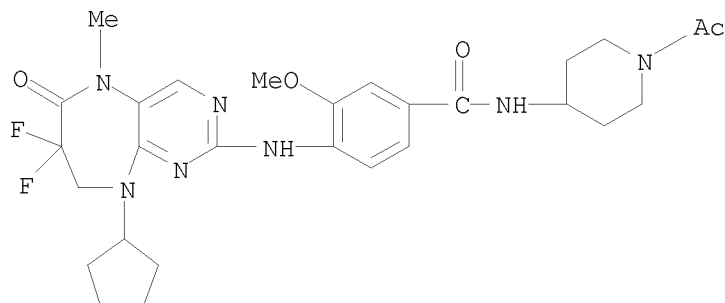
RN 1137869-17-0 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(8-methyl-8-azabicyclo[3.2.1]oct-3-yl)- (CA INDEX NAME)



RN 1137869-18-1 CAPLUS

CN Benzamide, N-(1-acetyl-4-piperidiny)-4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)

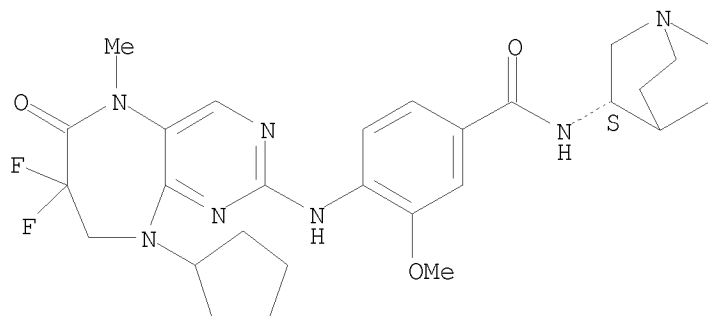


10/560,953

RN 1137869-21-6 CAPLUS

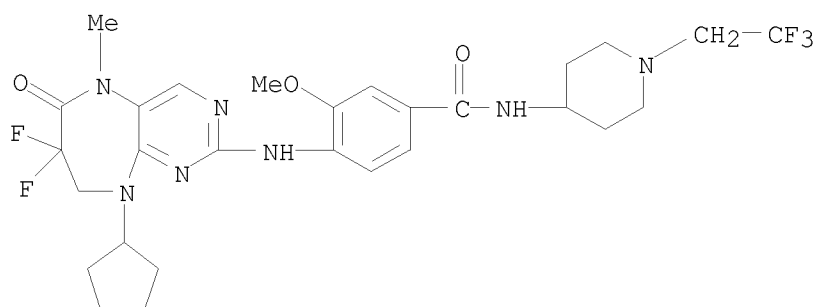
CN Benzamide, N-(3S)-1-azabicyclo[2.2.2]oct-3-yl-4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)

Absolute stereochemistry.



RN 1137869-22-7 CAPLUS

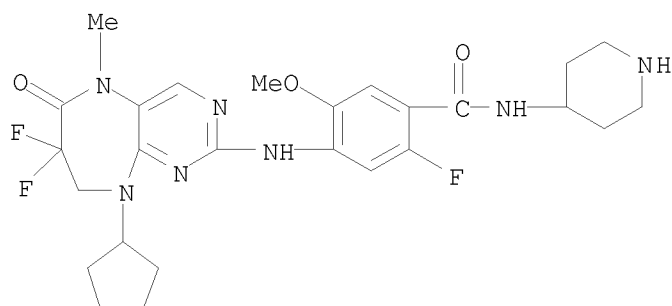
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[1-(2,2,2-trifluoroethyl)-4-piperidinyl]- (CA INDEX NAME)



RN 1137869-90-9 CAPLUS

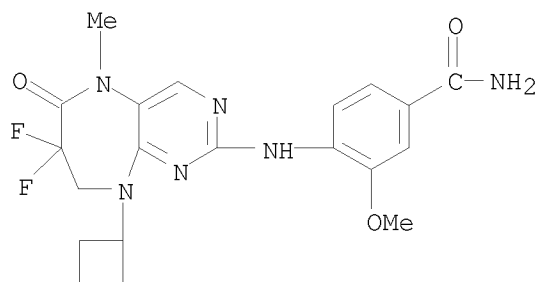
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2-fluoro-5-methoxy-N-4-piperidinyl- (CA INDEX NAME)

10/560,953



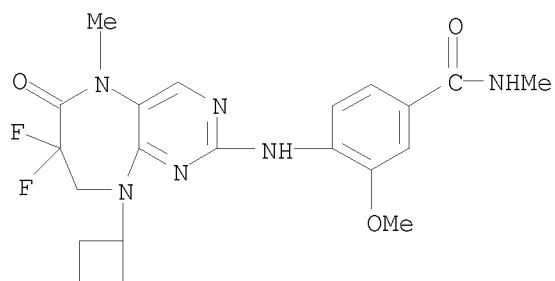
RN 1201691-05-5 CAPLUS

CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)



RN 1201691-06-6 CAPLUS

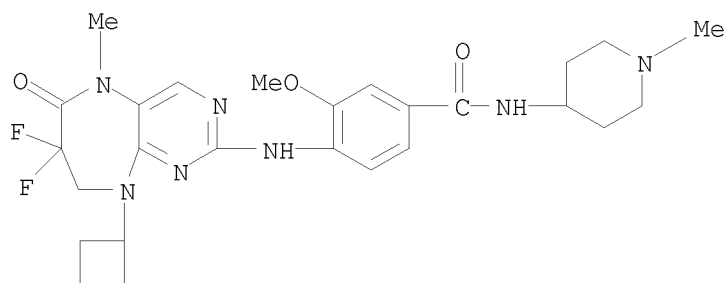
CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-methyl- (CA INDEX NAME)



RN 1201691-07-7 CAPLUS

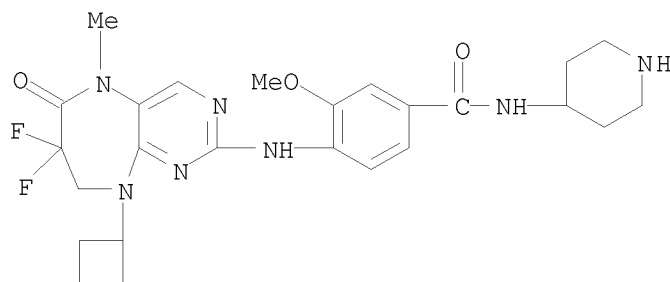
CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)

10/560,953



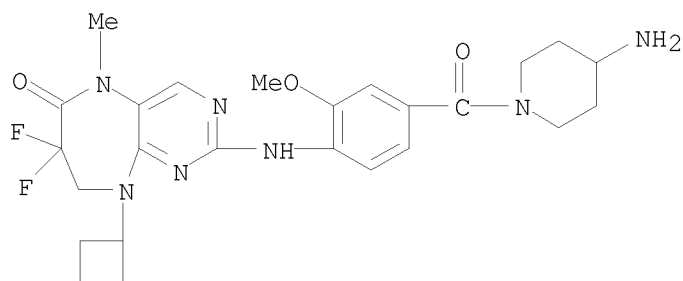
RN 1201691-08-8 CAPLUS

CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-4-piperidinyl- (CA INDEX NAME)



RN 1201691-09-9 CAPLUS

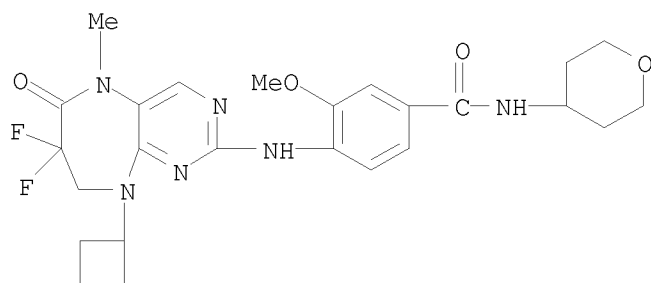
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one, 2-[[4-[(4-amino-1-piperidinyl)carbonyl]-2-methoxyphenyl]amino]-9-cyclobutyl-7,7-difluoro-5,7,8,9-tetrahydro-5-methyl- (CA INDEX NAME)



RN 1201691-10-2 CAPLUS

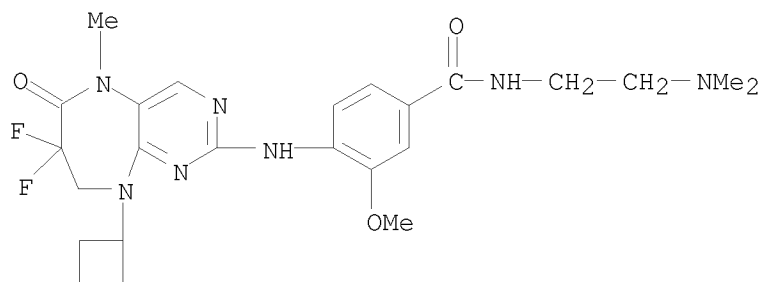
CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)

10/560,953



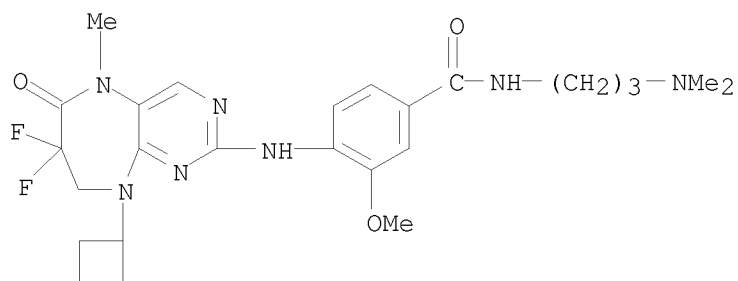
RN 1201691-11-3 CAPLUS

CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[2-(dimethylamino)ethyl]-3-methoxy- (CA INDEX NAME)



RN 1201691-12-4 CAPLUS

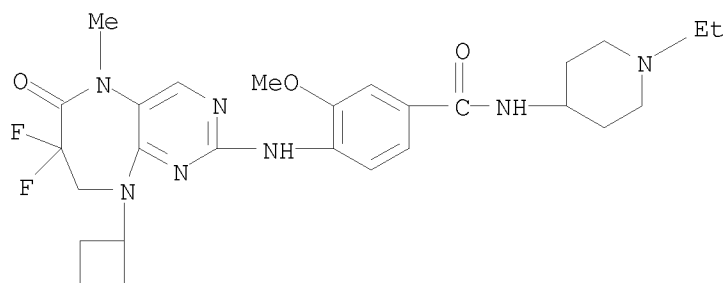
CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-3-methoxy- (CA INDEX NAME)



RN 1201691-13-5 CAPLUS

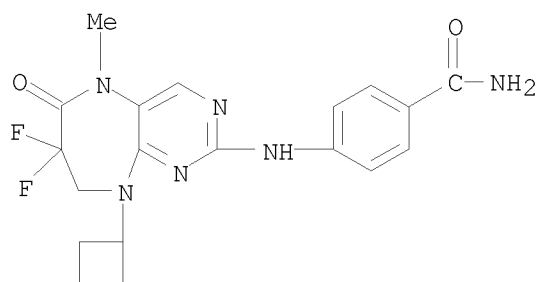
CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-ethyl-4-piperidinyl)-3-methoxy- (CA INDEX NAME)

10/560,953



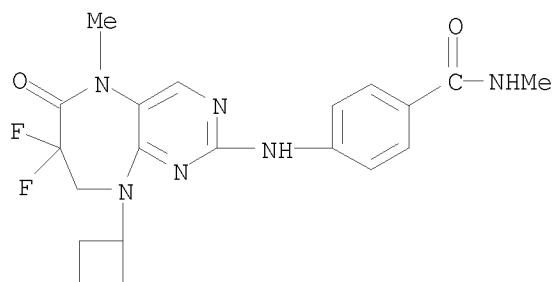
RN 1201691-15-7 CAPLUS

CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]- (CA INDEX NAME)



RN 1201691-16-8 CAPLUS

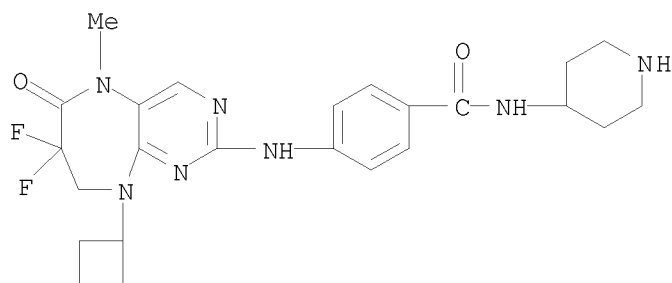
CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-methyl- (CA INDEX NAME)



RN 1201691-17-9 CAPLUS

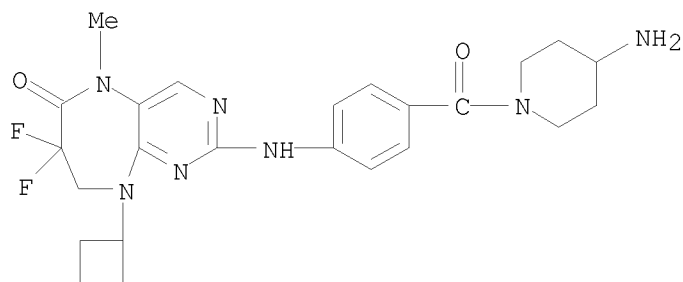
CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-4-piperidinyl- (CA INDEX NAME)

10/560,953



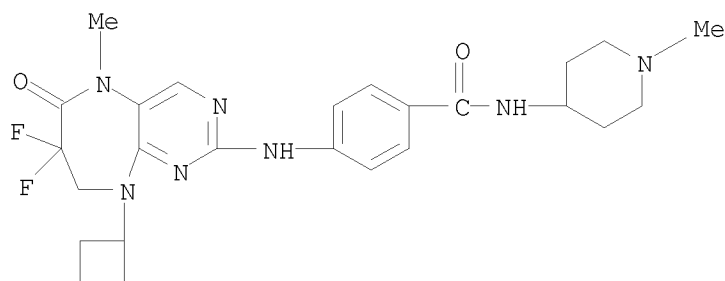
RN 1201691-19-1 CAPLUS

CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-[[4-[(4-amino-1-piperidinyl)carbonyl]phenyl]amino]-9-cyclobutyl-7,7-  
difluoro-5,7,8,9-tetrahydro-5-methyl- (CA INDEX NAME)



RN 1201691-20-4 CAPLUS

CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-  
5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-methyl-4-piperidinyl)-  
(CA INDEX NAME)

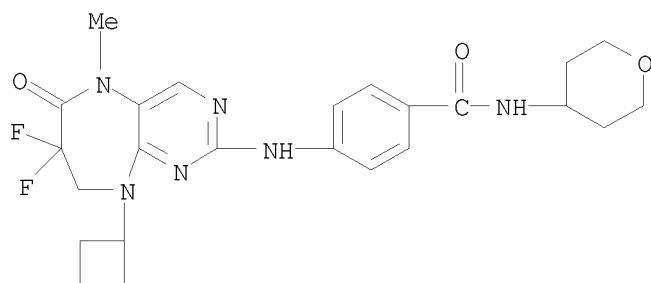


RN 1201691-21-5 CAPLUS

CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-  
5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(tetrahydro-2H-pyran-4-yl)-  
(CA INDEX NAME)

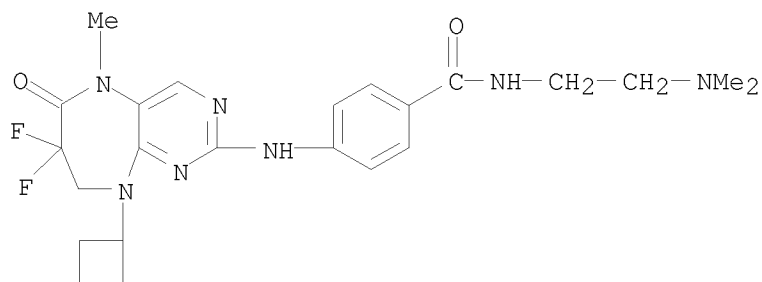


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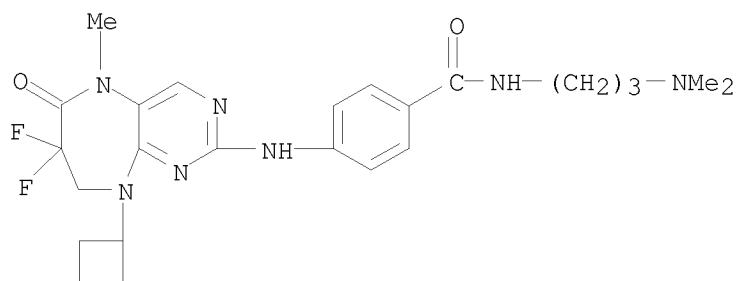
RN 1201691-22-6 CAPLUS

CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[2-(dimethylamino)ethyl]-  
(CA INDEX NAME)



RN 1201691-23-7 CAPLUS

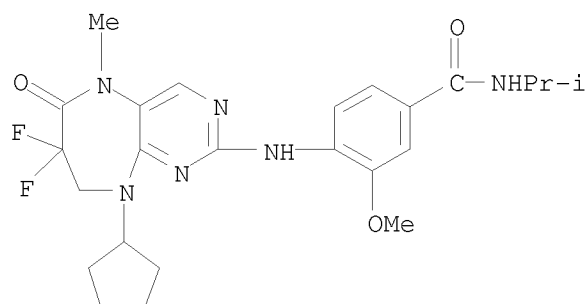
CN Benzamide, 4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-  
(CA INDEX NAME)



RN 1201691-24-8 CAPLUS

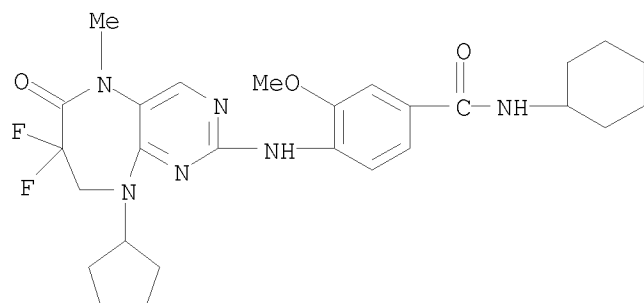
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(1-methylethyl)-  
(CA INDEX NAME)

10/560,953



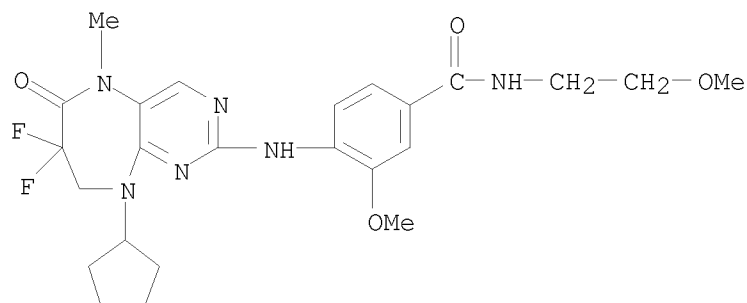
RN 1201691-25-9 CAPLUS

CN Benzamide, N-cyclohexyl-4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)



RN 1201691-26-0 CAPLUS

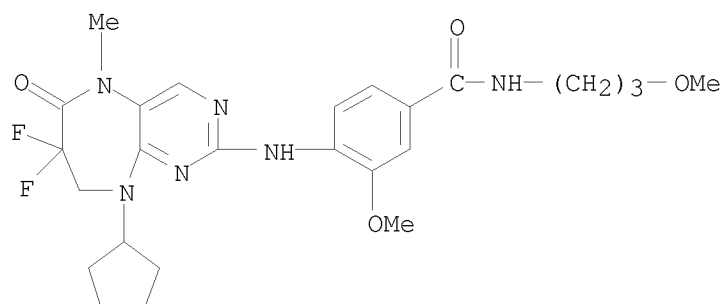
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(2-methoxyethyl)- (CA INDEX NAME)



RN 1201691-27-1 CAPLUS

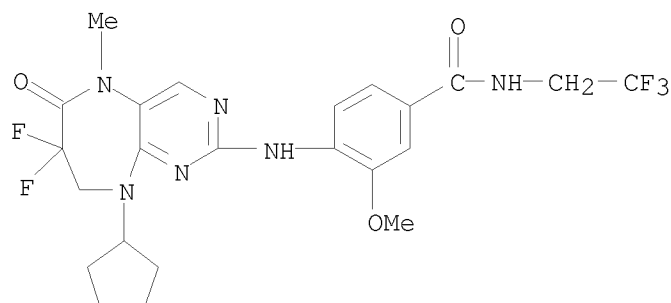
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(3-methoxypropyl)- (CA INDEX NAME)

10/560,953



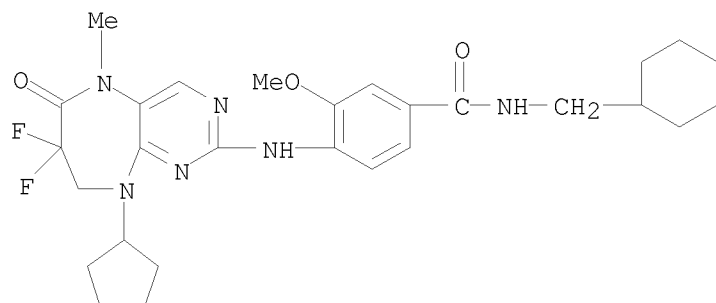
RN 1201691-28-2 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(2,2,2-trifluoroethyl)- (CA INDEX NAME)



RN 1201691-29-3 CAPLUS

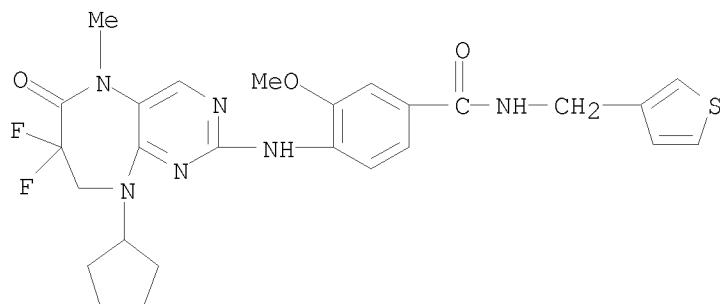
CN Benzamide, N-(cyclohexylmethyl)-4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)



RN 1201691-30-6 CAPLUS

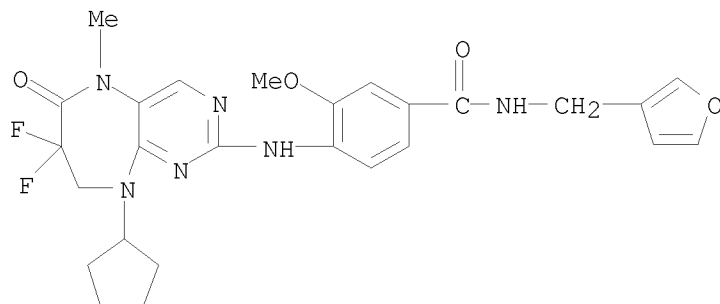
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(3-thienylmethyl)- (CA INDEX NAME)

10/560,953



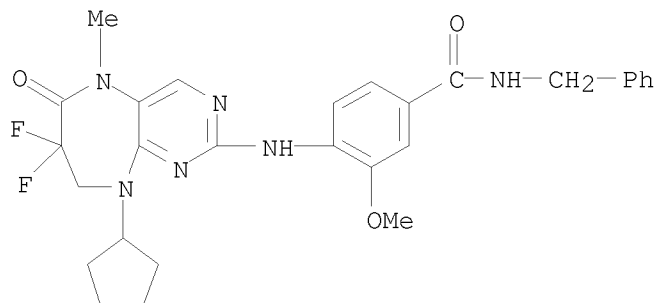
RN 1201691-31-7 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(3-furanylmethyl)-3-methoxy- (CA INDEX NAME)



RN 1201691-32-8 CAPLUS

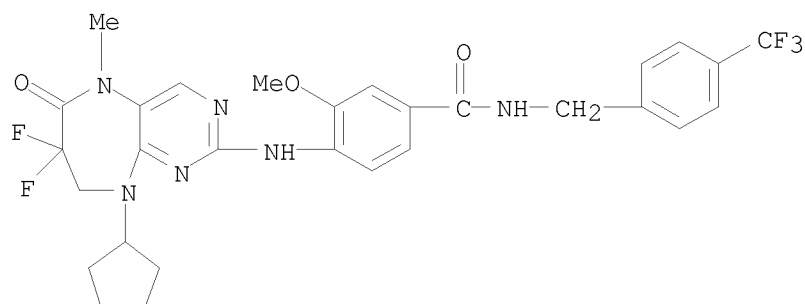
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(phenylmethyl)- (CA INDEX NAME)



RN 1201691-33-9 CAPLUS

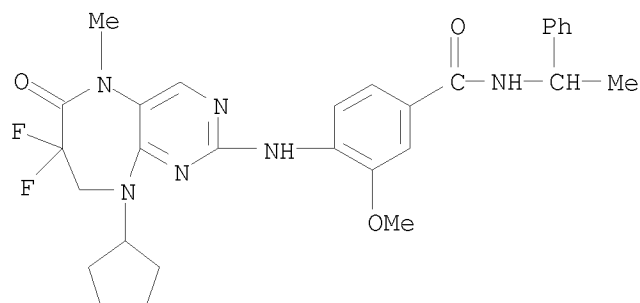
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[[4-(trifluoromethyl)phenyl]methyl]- (CA INDEX NAME)

10/560,953



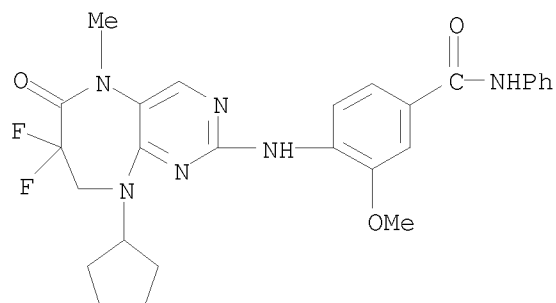
RN 1201691-34-0 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(1-phenylethyl)- (CA INDEX NAME)



RN 1201691-35-1 CAPLUS

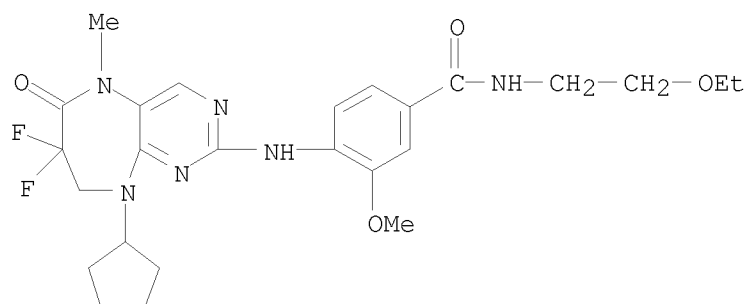
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-phenyl- (CA INDEX NAME)



RN 1201691-36-2 CAPLUS

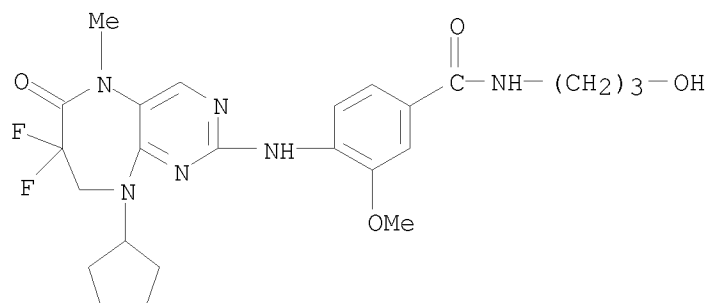
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(2-ethoxyethyl)-3-methoxy- (CA INDEX NAME)

10/560,953



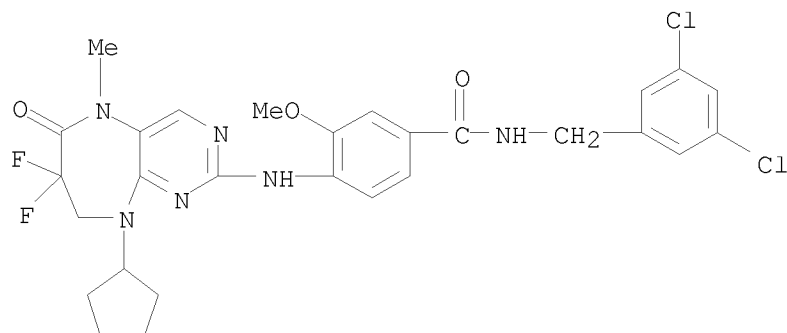
RN 1201691-37-3 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(3-hydroxypropyl)-3-methoxy- (CA INDEX NAME)



RN 1201691-38-4 CAPLUS

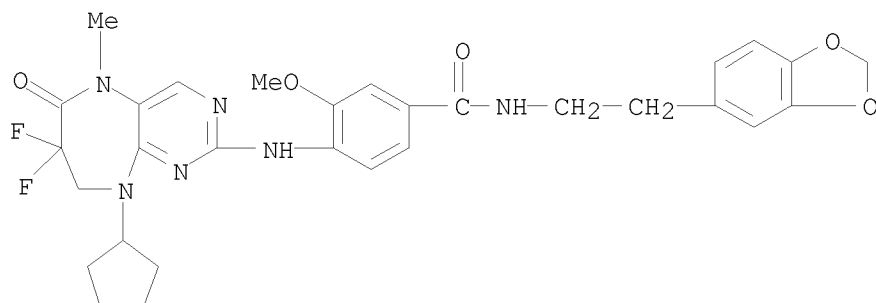
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[(3,5-dichlorophenyl)methyl]-3-methoxy- (CA INDEX NAME)



RN 1201691-39-5 CAPLUS

CN Benzamide, N-[2-(1,3-benzodioxol-5-yl)ethyl]-4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)

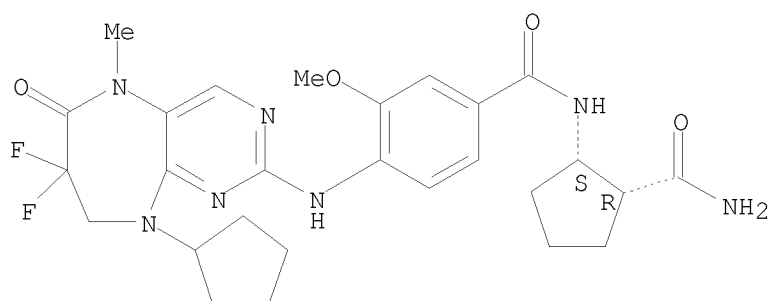
10/560,953



RN 1201691-40-8 CAPLUS

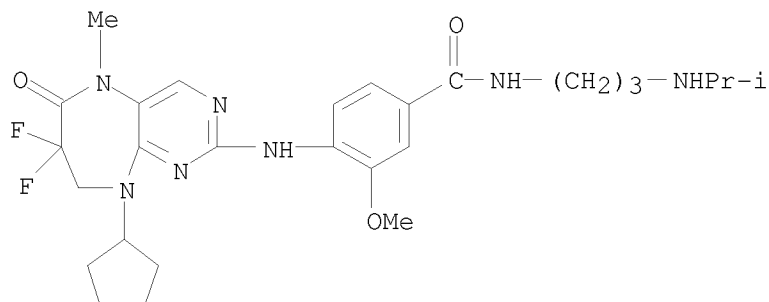
CN Benzamide, N-[(1S,2R)-2-(aminocarbonyl)cyclopentyl]-4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)

Absolute stereochemistry.



RN 1201691-41-9 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[3-[(1-methylethyl)amino]propyl]- (CA INDEX NAME)

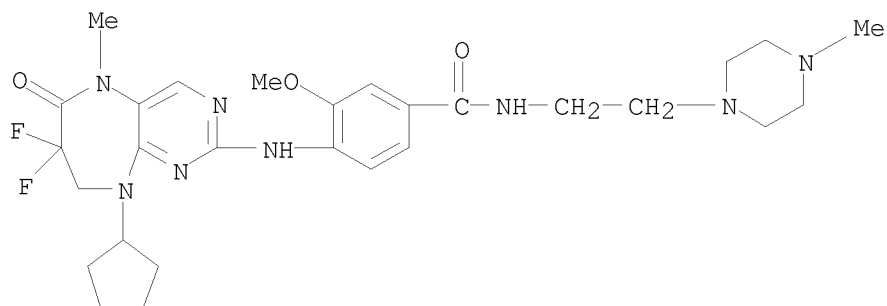


RN 1201691-42-0 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[2-(4-methyl-1-

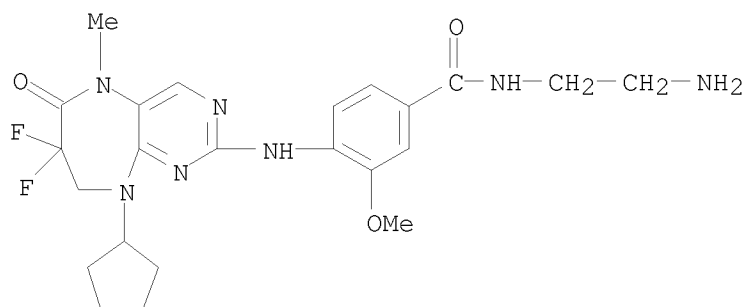
10/560,953

piperazinyl)ethyl]- (CA INDEX NAME)



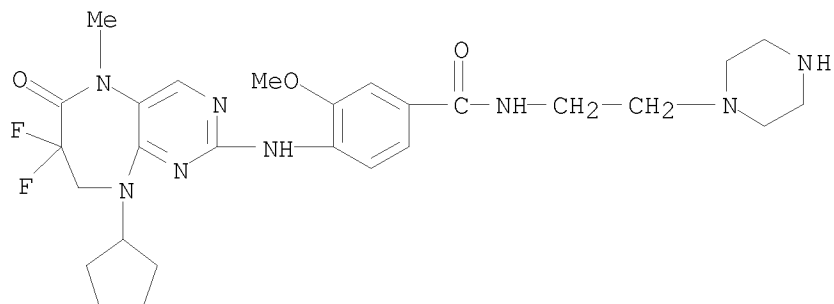
RN 1201691-43-1 CAPLUS

CN Benzamide, N-(2-aminoethyl)-4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)



RN 1201691-44-2 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[2-(1-piperazinyl)ethyl]- (CA INDEX NAME)



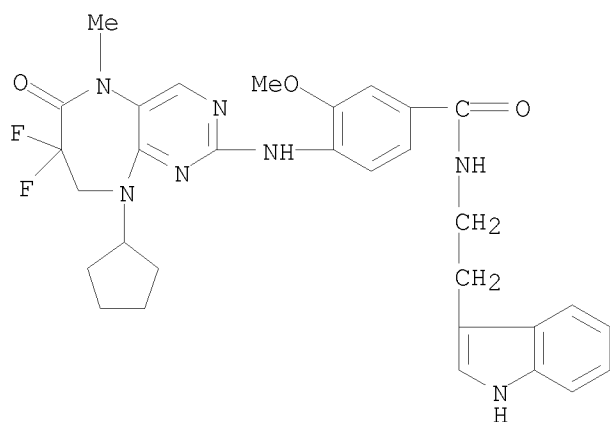
RN 1201691-45-3 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[2-(1H-indol-3-yl)ethyl]-



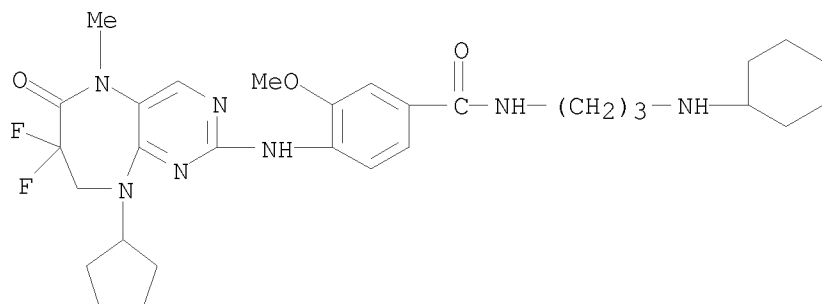
10/560,953

3-methoxy- (CA INDEX NAME)



RN 1201691-46-4 CAPLUS

CN Benzamide, N-[3-(cyclohexylamino)propyl]-4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)

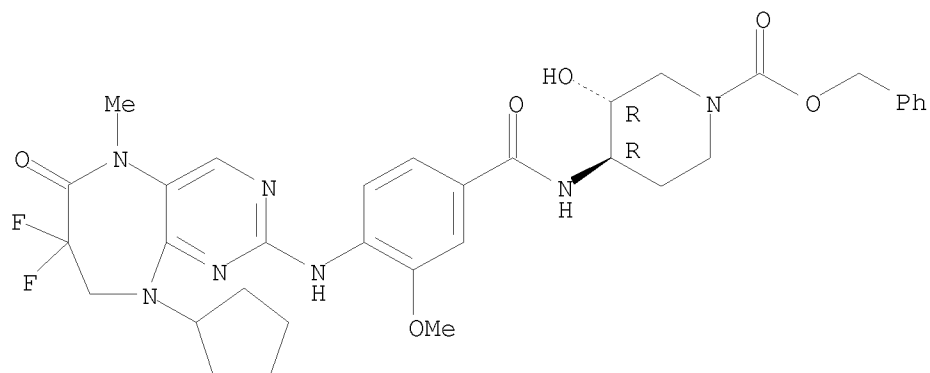


RN 1201691-47-5 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]-3-hydroxy-, phenylmethyl ester, (3R,4R)-rel- (CA INDEX NAME)

Relative stereochemistry.

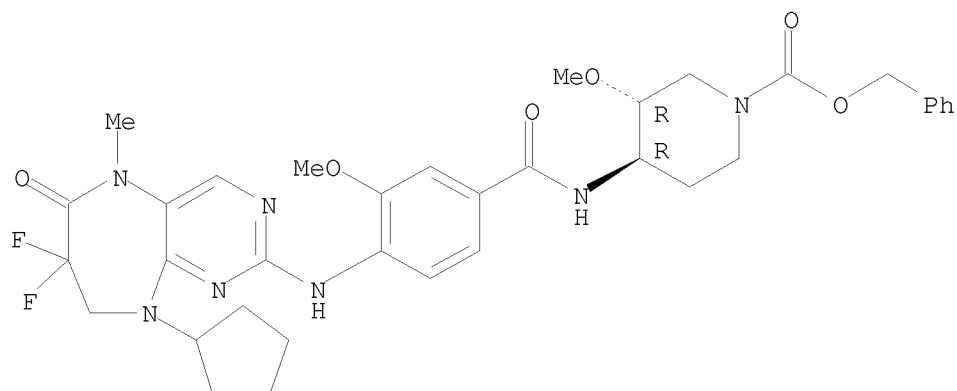
10/560,953



RN 1201691-48-6 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]-3-methoxy-, phenylmethyl ester, (3R,4R)-rel- (CA INDEX NAME)

Relative stereochemistry.

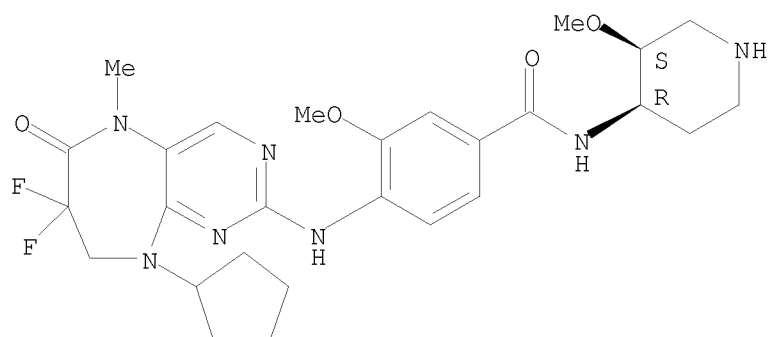


RN 1201691-50-0 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[(3R,4S)-3-methoxy-4-piperidinyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.

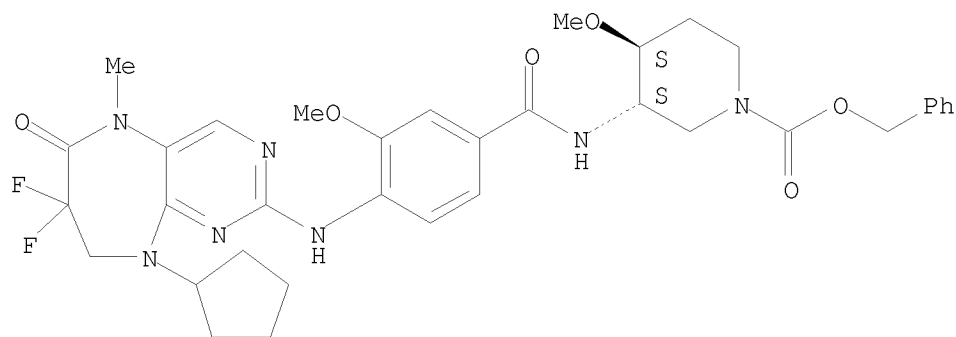
10/560,953



RN 1201691-51-1 CAPLUS

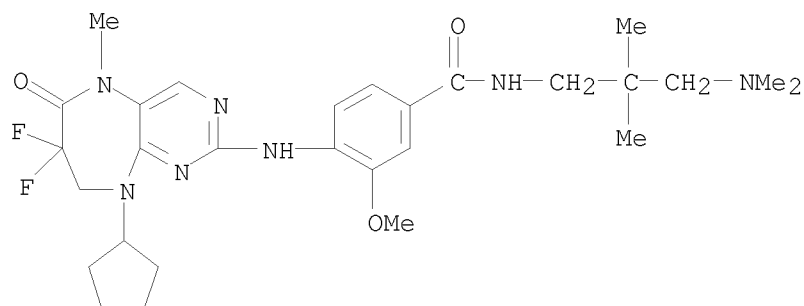
CN 1-Piperidinecarboxylic acid, 3-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]-4-methoxy-, phenylmethyl ester, (3R,4R)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 1201691-52-2 CAPLUS

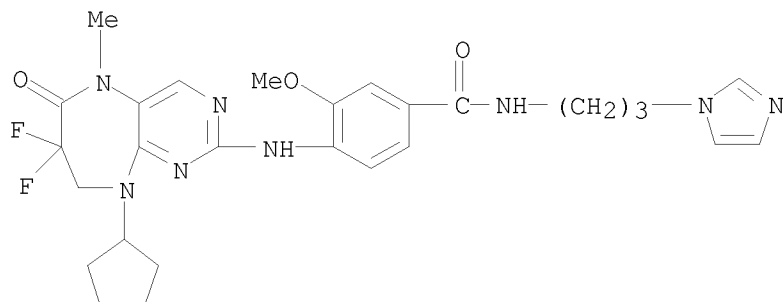
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)-2,2-dimethylpropyl]-3-methoxy- (CA INDEX NAME)



RN 1201691-53-3 CAPLUS

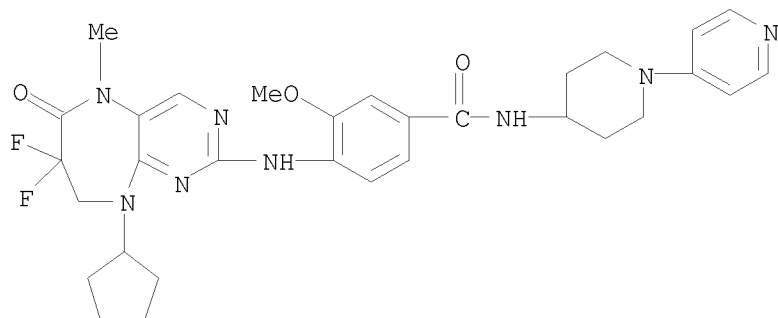
10/560,953

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(1H-imidazol-1-yl)propyl]-3-methoxy- (CA INDEX NAME)



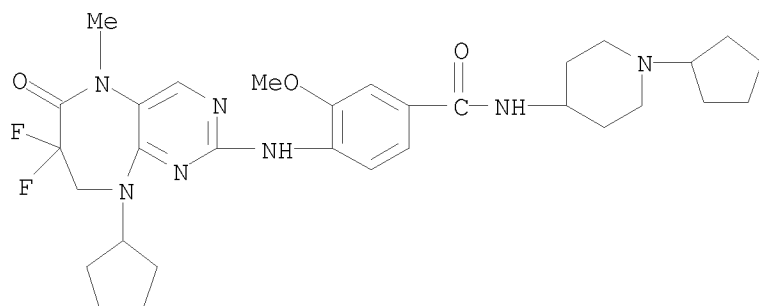
RN 1201691-54-4 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[1-(4-pyridinyl)-4-piperidinyl]- (CA INDEX NAME)



RN 1201691-55-5 CAPLUS

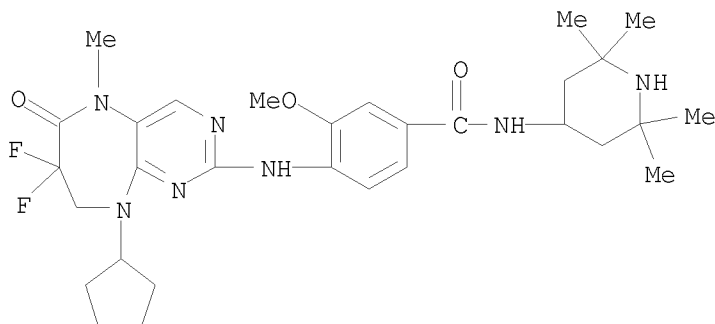
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-cyclopentyl-4-piperidinyl)-3-methoxy- (CA INDEX NAME)



RN 1201691-56-6 CAPLUS

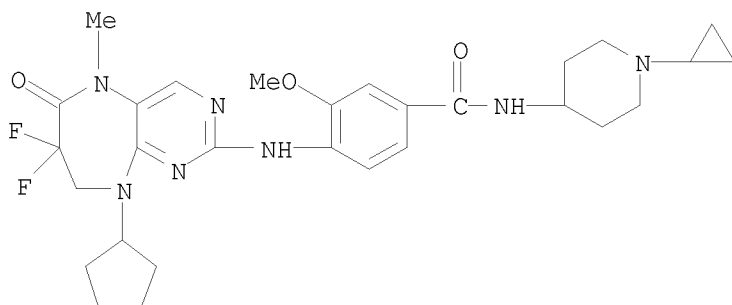
10/560,953

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (CA INDEX NAME)



RN 1201691-57-7 CAPLUS

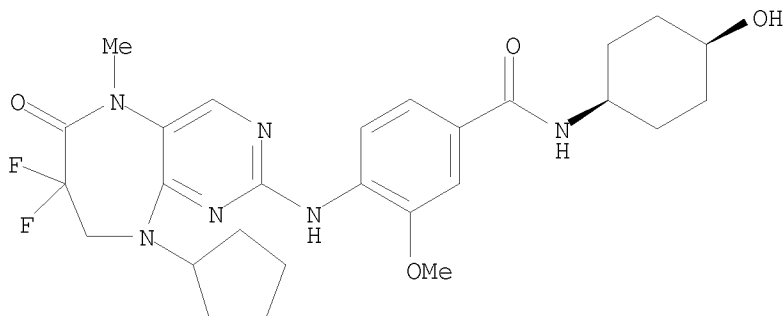
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-cyclopropyl-4-piperidinyl)-3-methoxy- (CA INDEX NAME)



RN 1201691-58-8 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(cis-4-hydroxycyclohexyl)-3-methoxy- (CA INDEX NAME)

Relative stereochemistry.

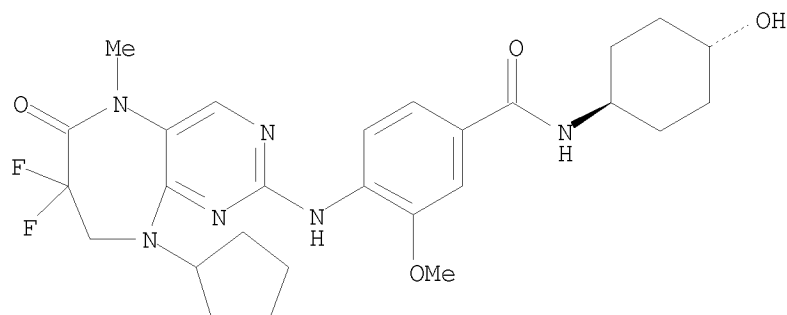


10/560,953

RN 1201691-59-9 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(trans-4-hydroxycyclohexyl)-3-methoxy- (CA INDEX NAME)

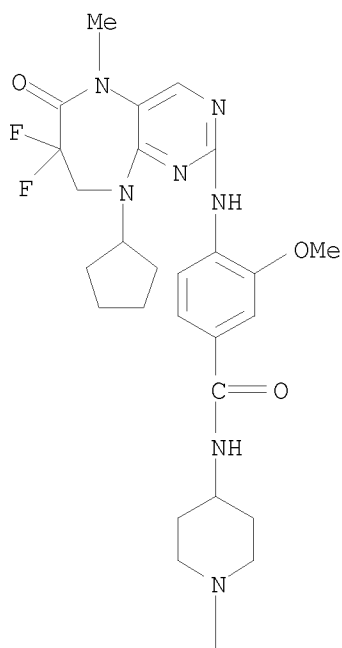
Relative stereochemistry.

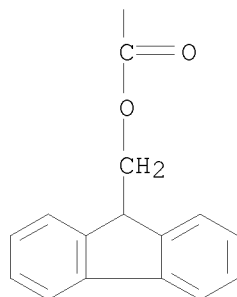


RN 1201691-60-2 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]-, 9H-fluoren-9-ylmethyl ester (CA INDEX NAME)

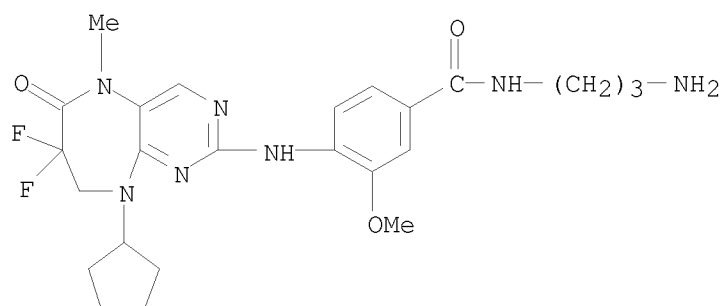
PAGE 1-A





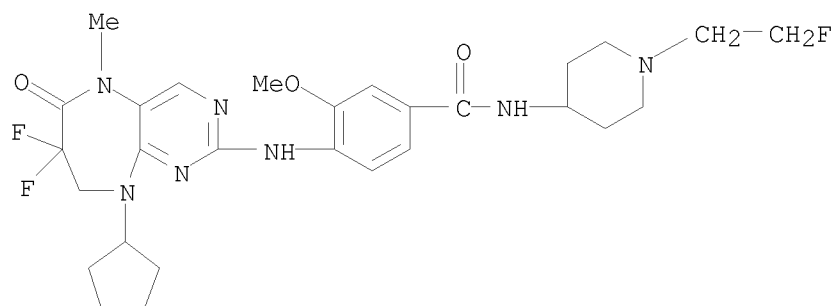
RN 1201691-63-5 CAPLUS

CN Benzamide, N-(3-aminopropyl)-4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)



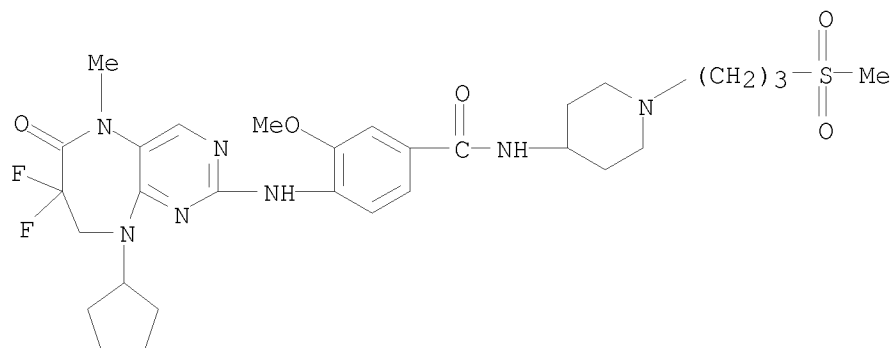
RN 1201691-64-6 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[1-(2-fluoroethyl)-4-piperidinyl]-3-methoxy- (CA INDEX NAME)



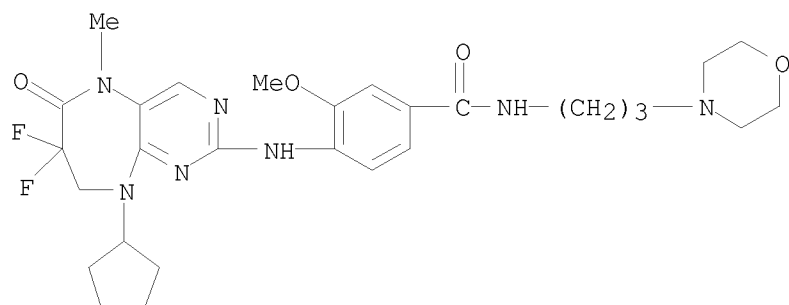
RN 1201691-65-7 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[1-[3-(methylsulfonyl)propyl]-4-piperidinyl]- (CA INDEX NAME)



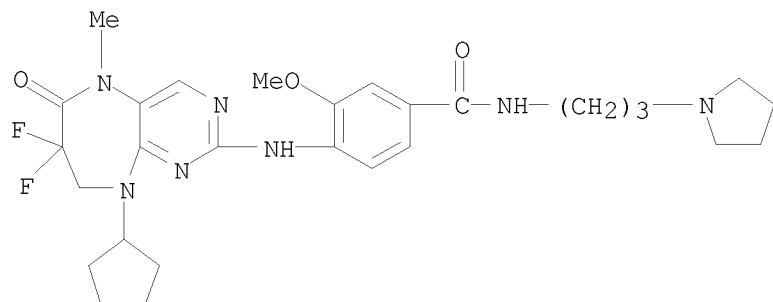
RN 1201691-66-8 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[3-(4-morpholinyl)propyl]- (CA INDEX NAME)



RN 1201691-67-9 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[3-(1-pyrrolidinyl)propyl]- (CA INDEX NAME)



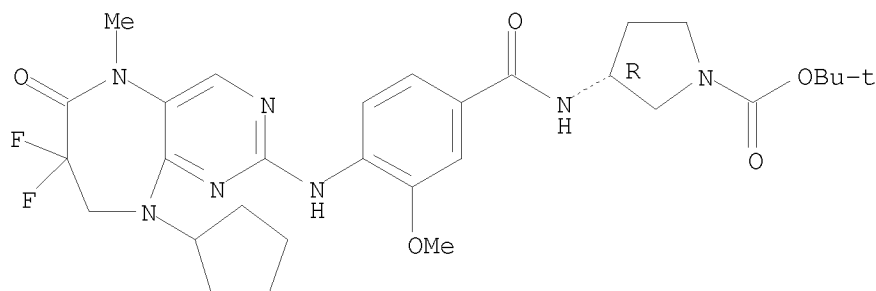
RN 1201691-68-0 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxyphenyl]carbamoyl]pyrrolidine



methoxybenzoyl]amino]-, 1,1-dimethylethyl ester, (3R)- (CA INDEX NAME)

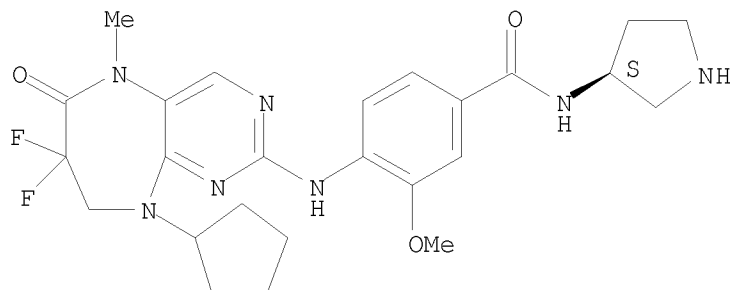
Absolute stereochemistry.



RN 1201691-70-4 CAPLUS

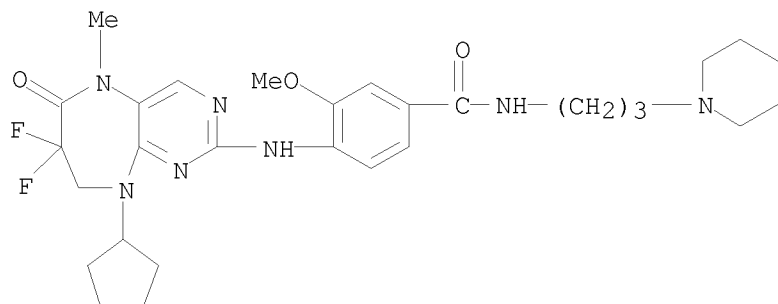
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(3S)-3-pyrrolidinyl- (CA INDEX NAME)

Absolute stereochemistry.



RN 1201691-71-5 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[3-(1-piperidinyl)propyl]- (CA INDEX NAME)

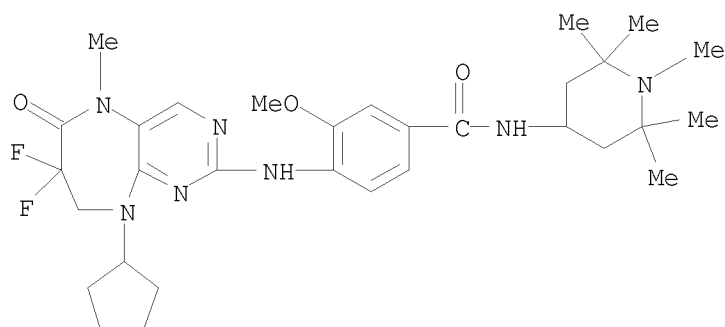


RN 1201691-72-6 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(1,2,2,6,6-

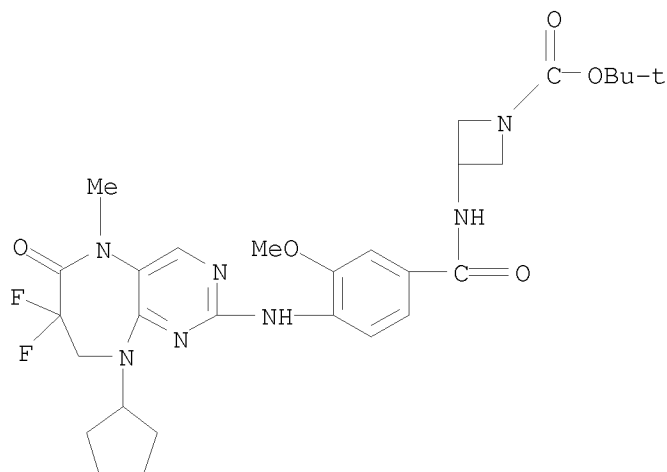
10/560,953

pentamethyl-4-piperidinyl)- (CA INDEX NAME)



RN 1201691-73-7 CAPLUS

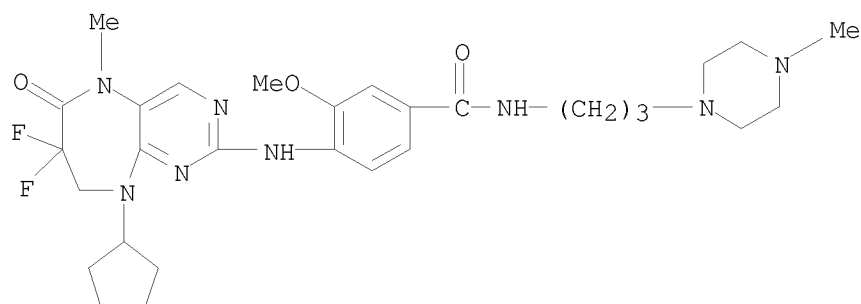
CN 1-Azetidinecarboxylic acid, 3-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 1201691-74-8 CAPLUS

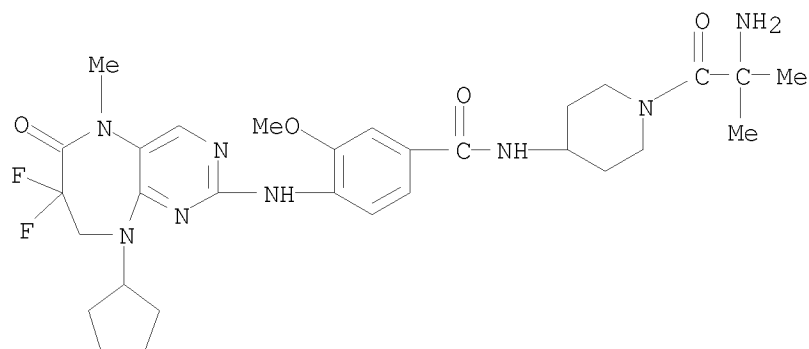
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[3-(4-methyl-1-piperazinyl)propyl]- (CA INDEX NAME)

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RN 1201691-75-9 CAPLUS

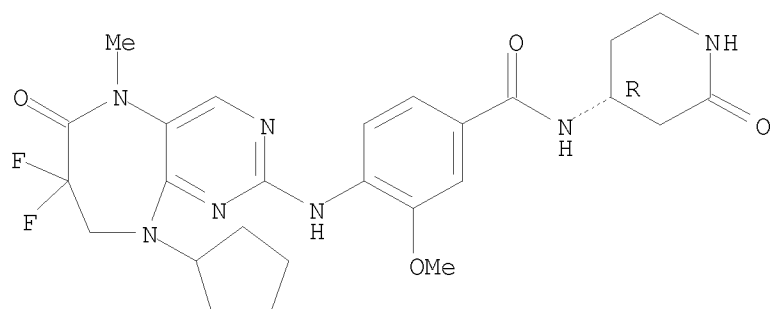
CN Benzamide, N-[1-(2-amino-2-methyl-1-oxopropyl)-4-piperidinyl]-4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)



RN 1201691-76-0 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[(4R)-2-oxo-4-piperidinyl]- (CA INDEX NAME)

Absolute stereochemistry.



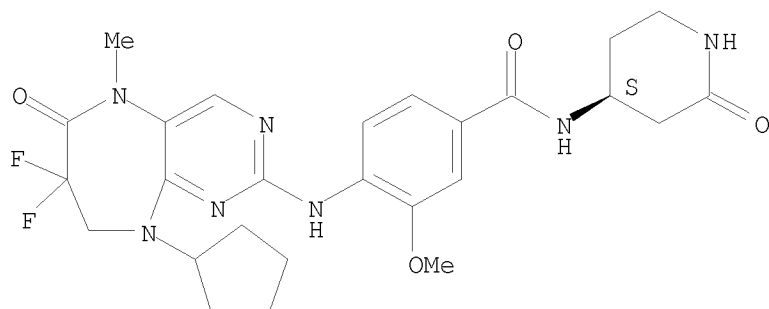
RN 1201691-77-1 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[(4S)-2-oxo-4-

10/560,953

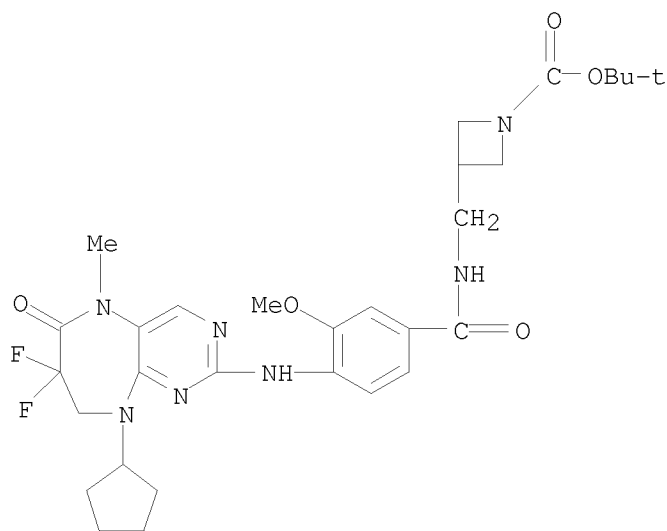
piperidinyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 1201691-78-2 CAPLUS

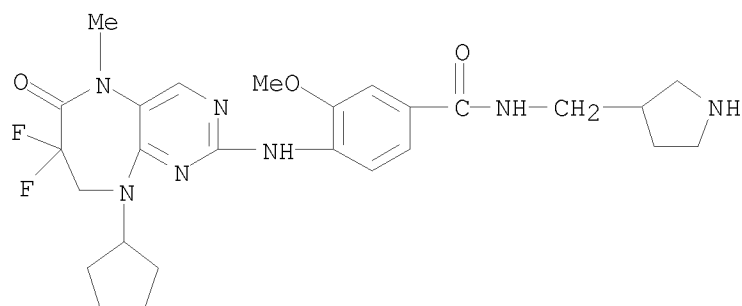
CN 1-Azetidinecarboxylic acid, 3-[[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]methyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 1201691-80-6 CAPLUS

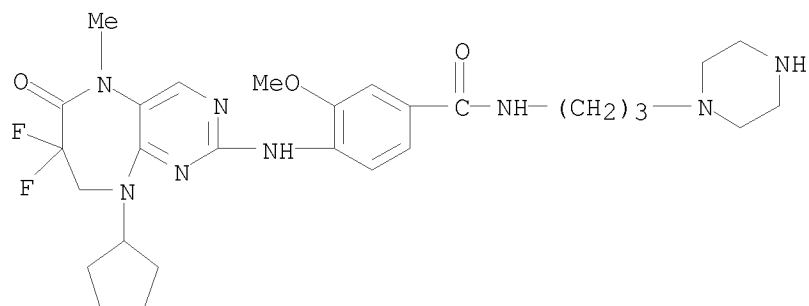
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(3-pyrrolidinylmethyl)- (CA INDEX NAME)

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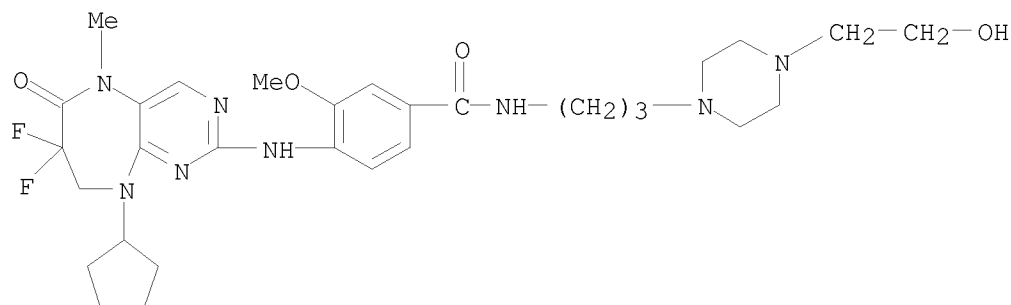
RN 1201691-82-8 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[3-(1-piperazinyl)propyl]- (CA INDEX NAME)



RN 1201691-83-9 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-[4-(2-hydroxyethyl)-1-piperazinyl]propyl]-3-methoxy- (CA INDEX NAME)

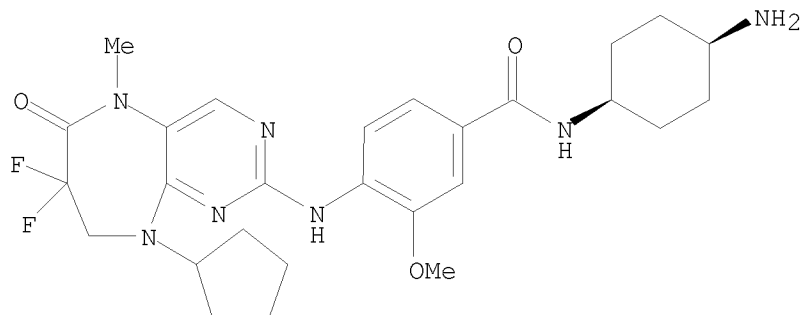


RN 1201691-85-1 CAPLUS

CN Benzamide, N-(cis-4-aminocyclohexyl)-4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)

10/560,953

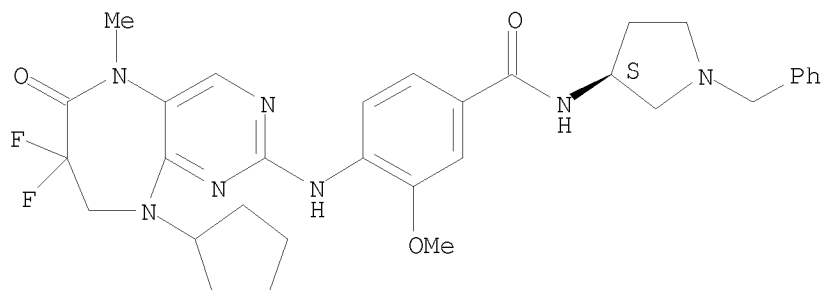
Relative stereochemistry.



RN 1201691-86-2 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[(3S)-1-(phenylmethyl)-3-pyrrolidinyl]- (CA INDEX NAME)

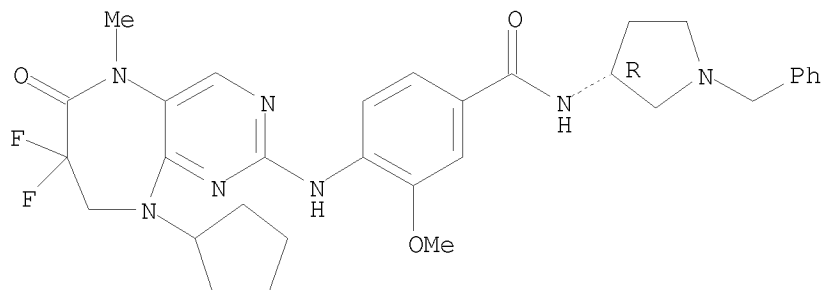
Absolute stereochemistry.



RN 1201691-87-3 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[(3R)-1-(phenylmethyl)-3-pyrrolidinyl]- (CA INDEX NAME)

Absolute stereochemistry.



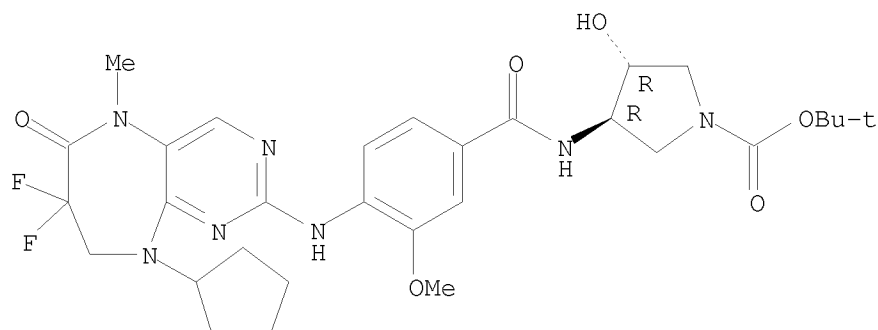
RN 1201691-88-4 CAPLUS

CN 1-Pyrrolidinecarboxylic acid, 3-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]-4-hydroxy-, 1,1-dimethylethyl ester, (3R,4R)- (CA

10/560,953

INDEX NAME)

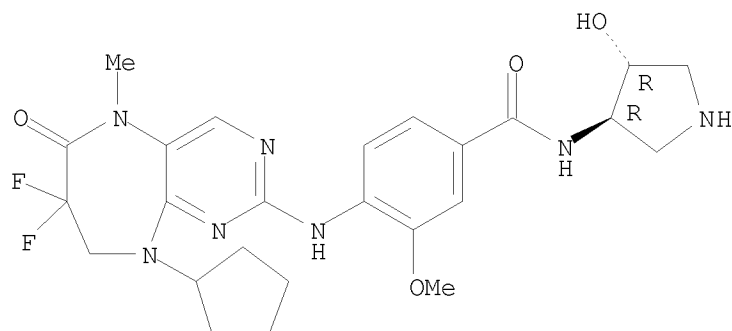
Absolute stereochemistry.



RN 1201691-89-5 CAPLUS

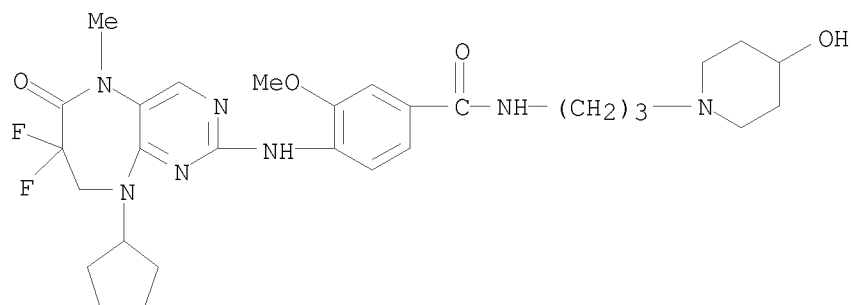
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[(3R,4R)-4-hydroxy-3-pyrrolidinyl]-3-methoxy- (CA INDEX NAME)

Absolute stereochemistry.



RN 1201691-90-8 CAPLUS

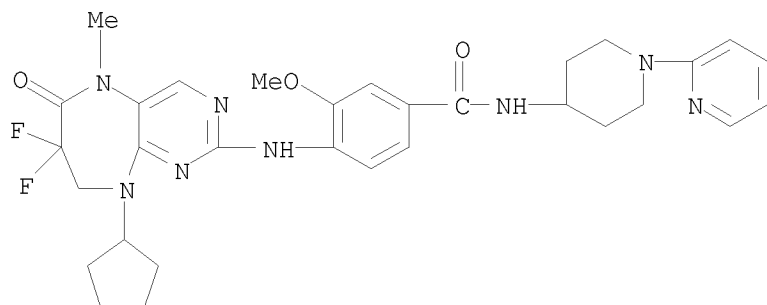
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(4-hydroxy-1-piperidinyl)propyl]-3-methoxy- (CA INDEX NAME)



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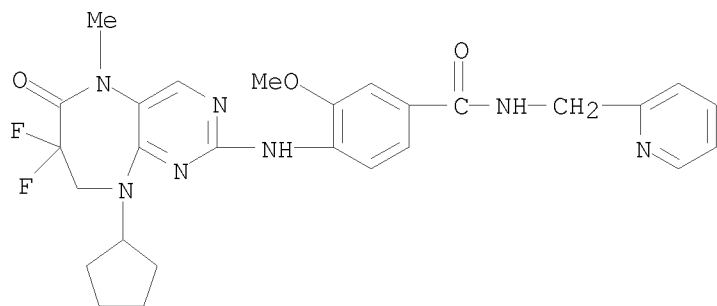
RN 1201691-91-9 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[1-(2-pyridinyl)-4-piperidinyl]- (CA INDEX NAME)



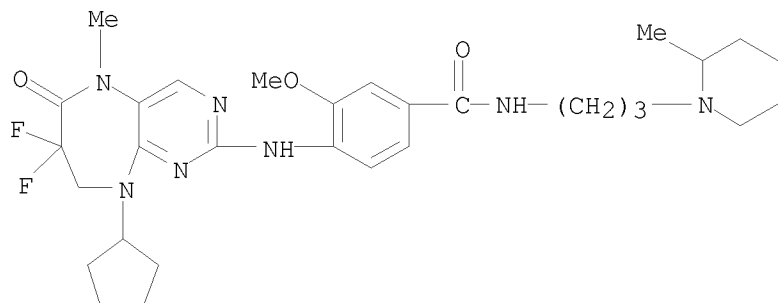
RN 1201691-92-0 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(2-pyridinylmethyl)- (CA INDEX NAME)



RN 1201691-93-1 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[3-(2-methyl-1-piperidinyl)propyl]- (CA INDEX NAME)

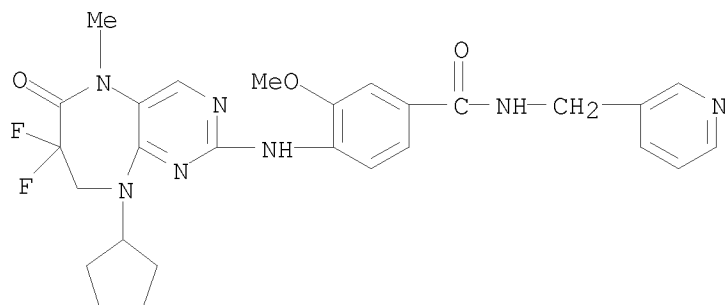




10/560,953

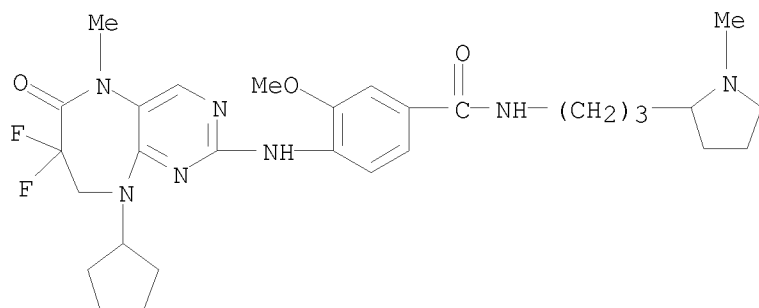
RN 1201691-94-2 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(3-pyridinylmethyl)- (CA INDEX NAME)



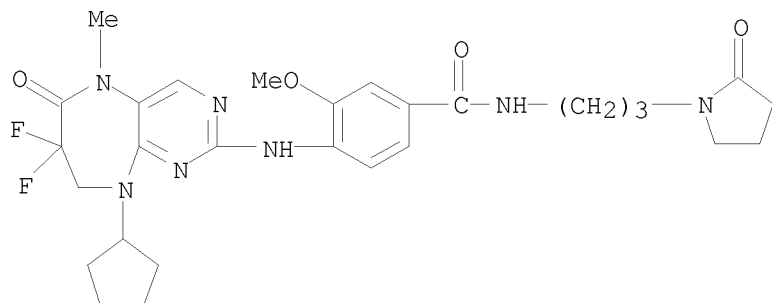
RN 1201691-95-3 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[3-(1-methyl-2-pyrrolidinyl)propyl]- (CA INDEX NAME)



RN 1201691-96-4 CAPLUS

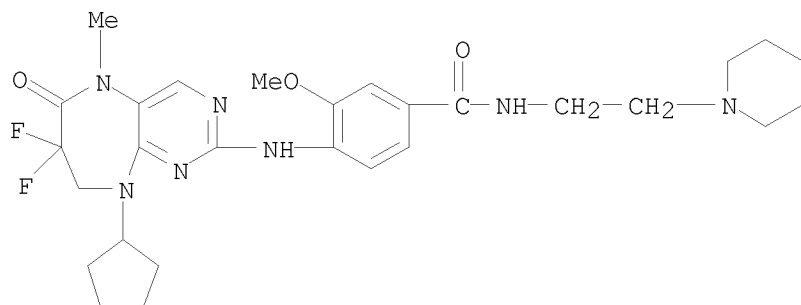
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[3-(2-oxo-1-pyrrolidinyl)propyl]- (CA INDEX NAME)



10/560,953

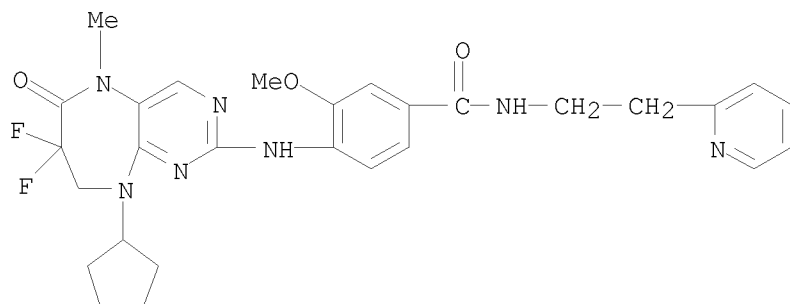
RN 1201691-97-5 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[2-(1-piperidiny)ethyl]- (CA INDEX NAME)



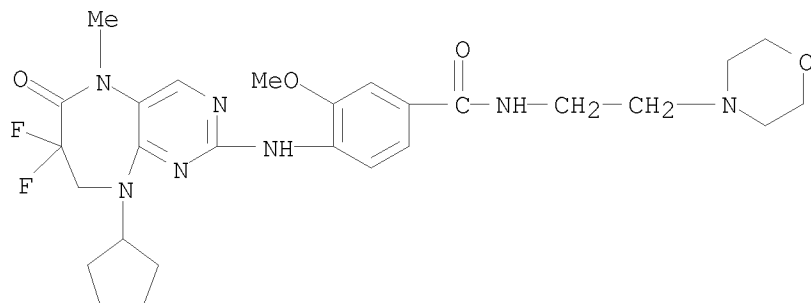
RN 1201691-98-6 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[2-(2-pyridiny)ethyl]- (CA INDEX NAME)



RN 1201691-99-7 CAPLUS

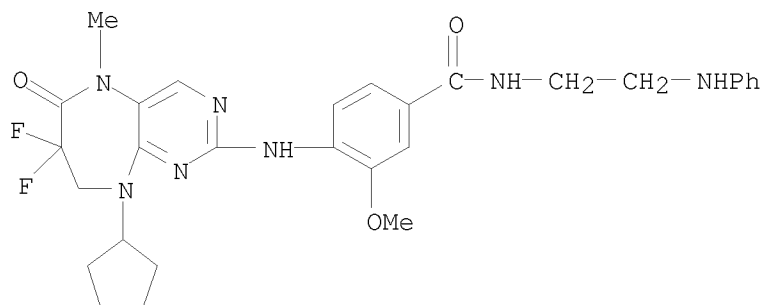
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[2-(4-morpholinyl)ethyl]- (CA INDEX NAME)



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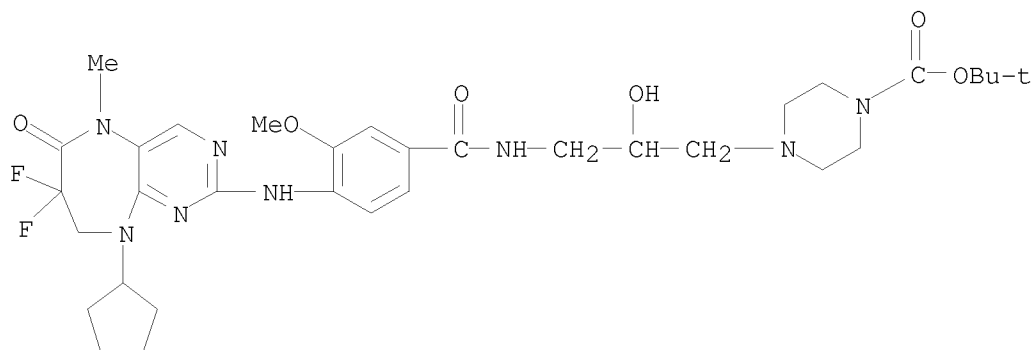
RN 1201692-00-3 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[2-(phenylamino)ethyl]- (CA INDEX NAME)



RN 1201692-01-4 CAPLUS

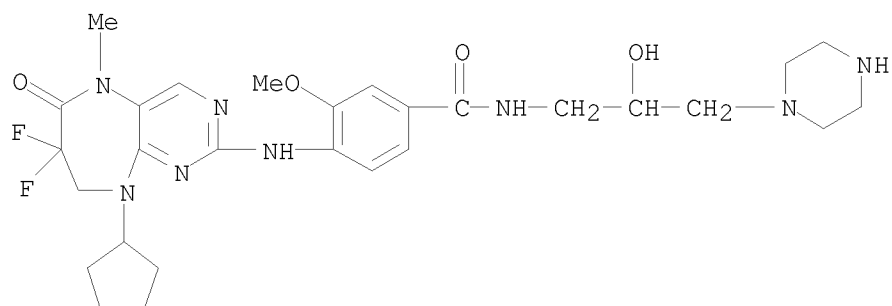
CN 1-Piperazinecarboxylic acid, 4-[3-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]-2-hydroxypropyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 1201692-02-5 CAPLUS

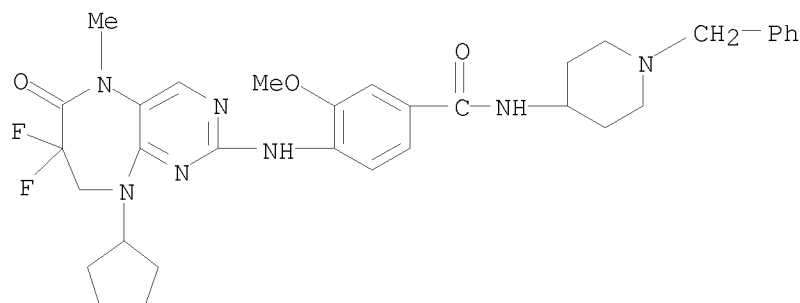
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[2-hydroxy-3-(1-piperazinyl)propyl]-3-methoxy- (CA INDEX NAME)

10/560,953



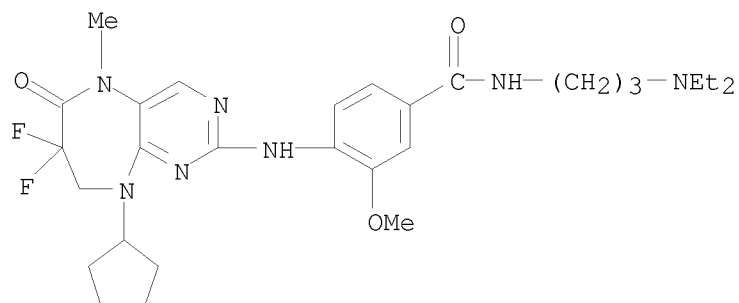
RN 1201692-03-6 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-[1-(phenylmethyl)-4-piperidinyl]- (CA INDEX NAME)



RN 1201692-04-7 CAPLUS

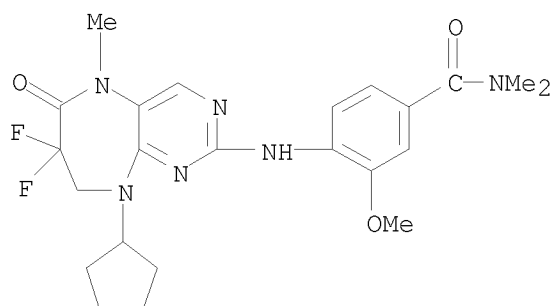
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(diethylamino)propyl]-3-methoxy- (CA INDEX NAME)



RN 1201692-06-9 CAPLUS

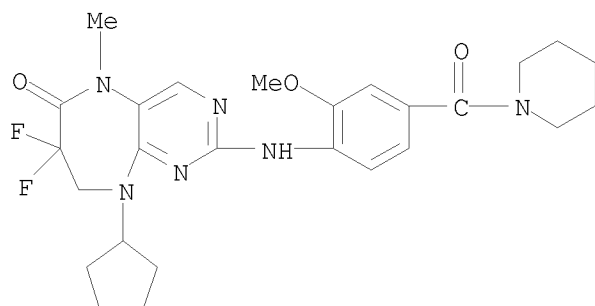
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N,N-dimethyl- (CA INDEX NAME)

10/560,953



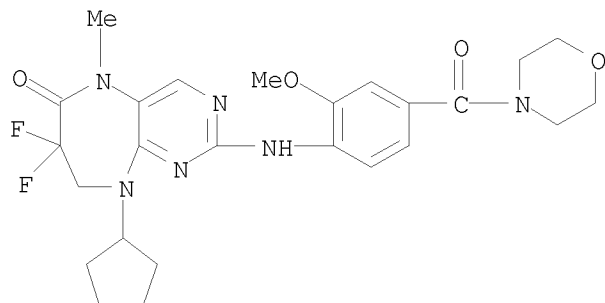
RN 1201692-07-0 CAPLUS

CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
9-cyclopentyl-7,7-difluoro-5,7,8,9-tetrahydro-2-[[2-methoxy-4-(1-  
piperidinylcarbonyl)phenyl]amino]-5-methyl- (CA INDEX NAME)



RN 1201692-08-1 CAPLUS

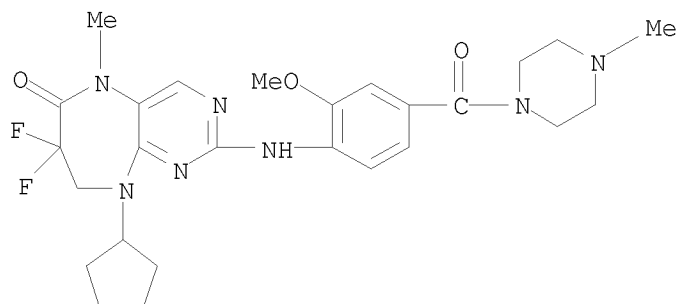
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
9-cyclopentyl-7,7-difluoro-5,7,8,9-tetrahydro-2-[[2-methoxy-4-(4-  
morpholinylcarbonyl)phenyl]amino]-5-methyl- (CA INDEX NAME)



RN 1201692-09-2 CAPLUS

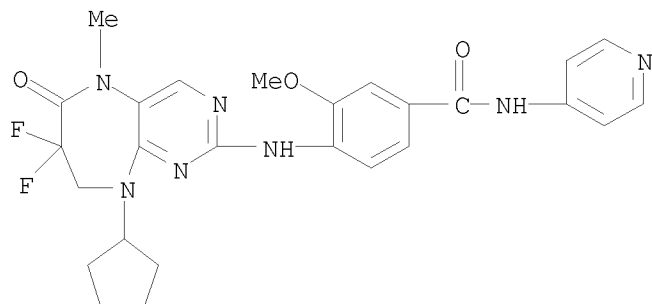
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
9-cyclopentyl-7,7-difluoro-5,7,8,9-tetrahydro-2-[[2-methoxy-4-[(4-methyl-1-  
piperazinyl)carbonyl]phenyl]amino]-5-methyl- (CA INDEX NAME)

10/560,953



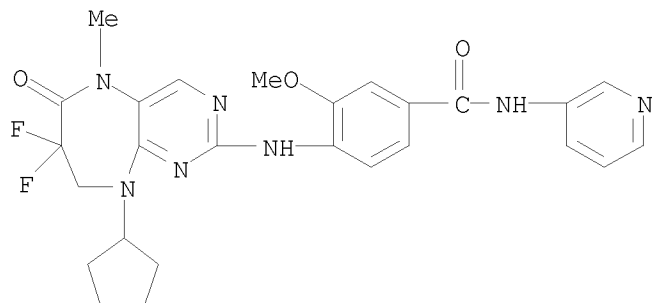
RN 1201692-10-5 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-4-pyridinyl- (CA INDEX NAME)



RN 1201692-11-6 CAPLUS

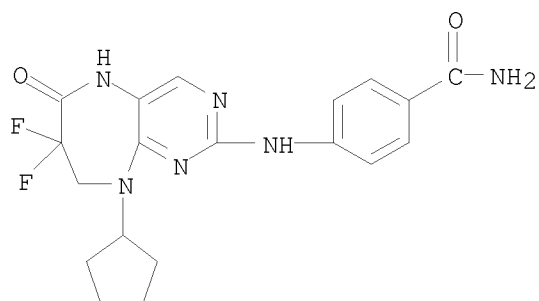
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-3-pyridinyl- (CA INDEX NAME)



RN 1201692-13-8 CAPLUS

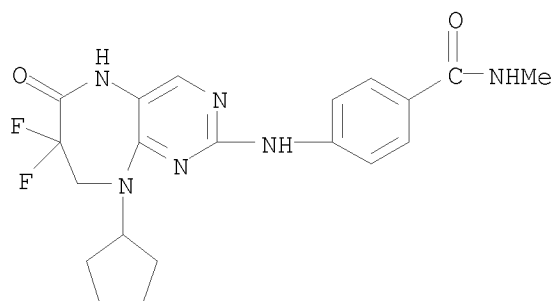
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]- (CA INDEX NAME)

10/560,953



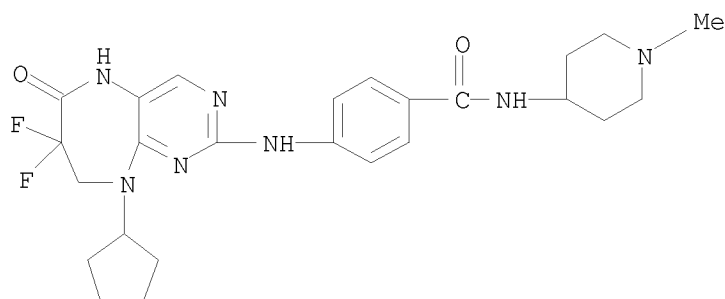
RN 1201692-14-9 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-methyl- (CA INDEX NAME)



RN 1201692-15-0 CAPLUS

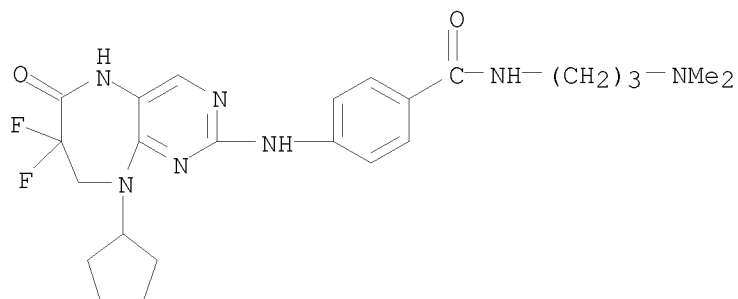
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-methyl-4-piperidiny)- (CA INDEX NAME)



RN 1201692-16-1 CAPLUS

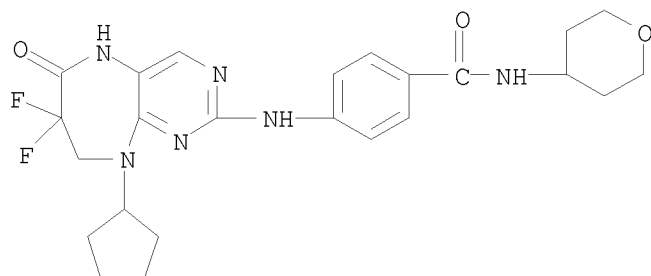
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]- (CA INDEX NAME)

10/560,953



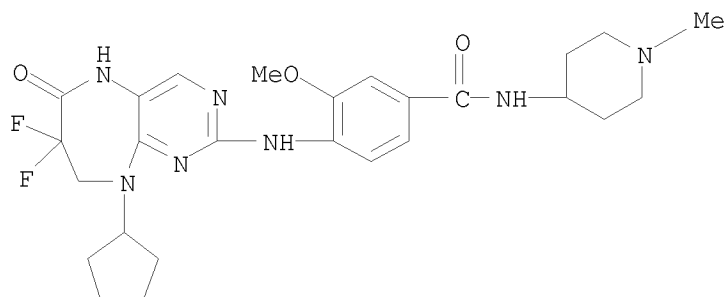
RN 1201692-17-2 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)



RN 1201692-18-3 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)

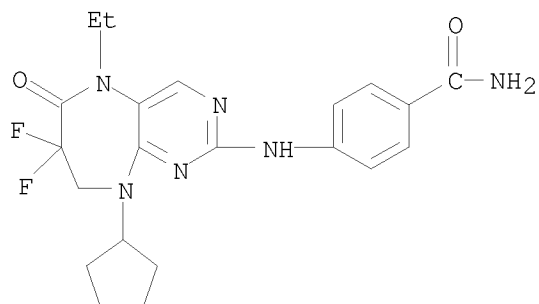


RN 1201692-20-7 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-5-ethyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]- (CA INDEX NAME)

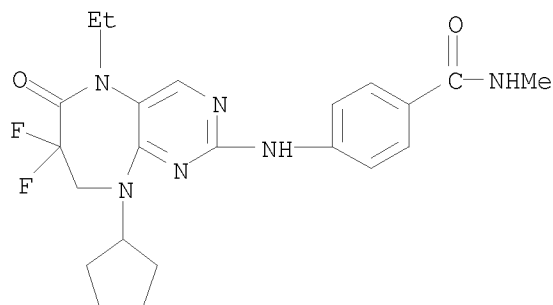


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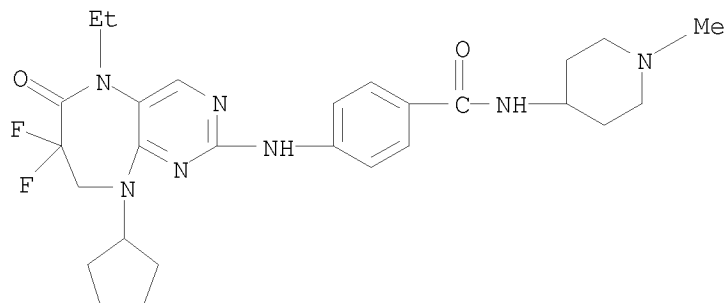
RN 1201692-21-8 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-5-ethyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-methyl- (CA INDEX NAME)



RN 1201692-22-9 CAPLUS

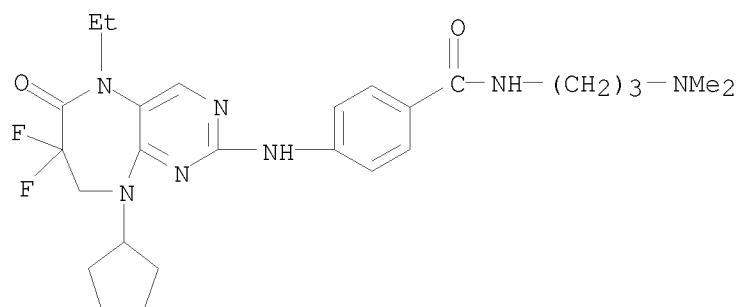
CN Benzamide, 4-[(9-cyclopentyl-5-ethyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-methyl-4-piperidiny)- (CA INDEX NAME)



RN 1201692-23-0 CAPLUS

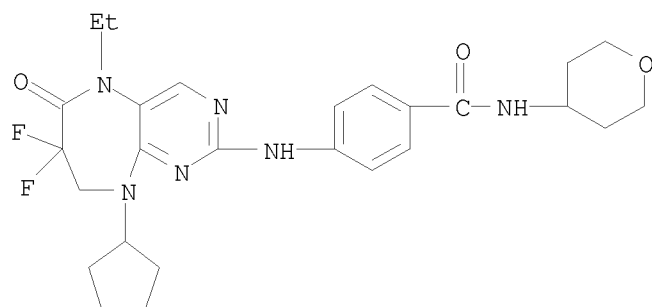
CN Benzamide, 4-[(9-cyclopentyl-5-ethyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]- (CA INDEX NAME)

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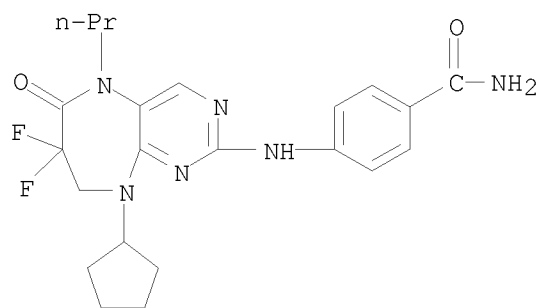
RN 1201692-24-1 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-5-ethyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(tetrahydro-2H-pyran-4-yl)-(CA INDEX NAME)



RN 1201692-26-3 CAPLUS

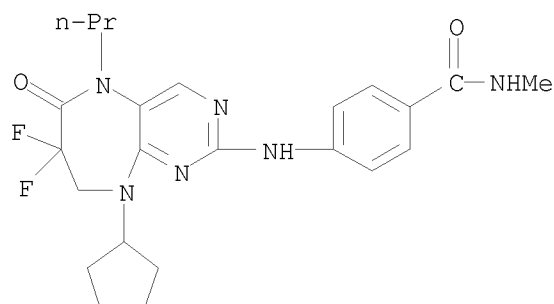
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5-propyl-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]- (CA INDEX NAME)



RN 1201692-27-4 CAPLUS

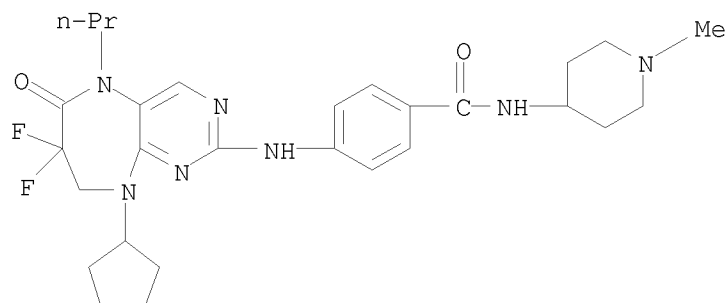
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5-propyl-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-methyl- (CA INDEX NAME)

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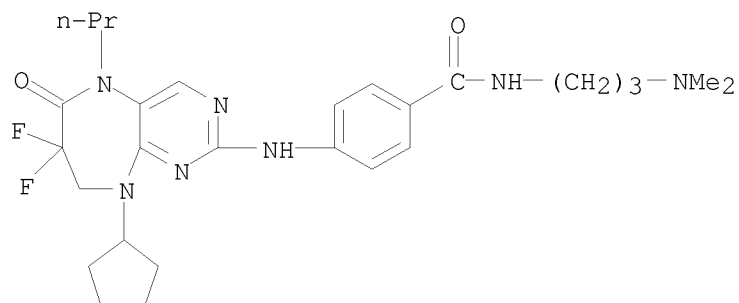
RN 1201692-28-5 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5-propyl-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



RN 1201692-29-6 CAPLUS

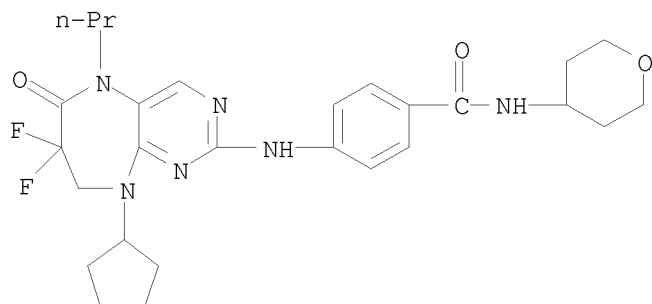
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5-propyl-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]- (CA INDEX NAME)



RN 1201692-30-9 CAPLUS

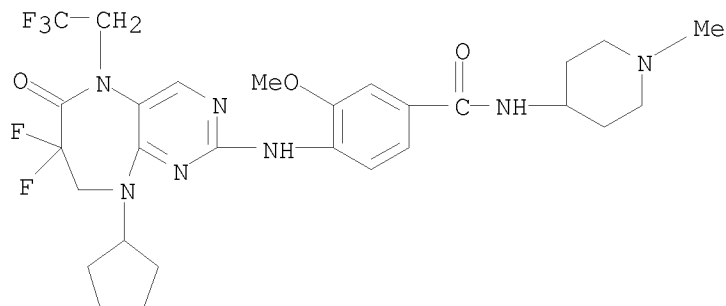
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5-propyl-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)

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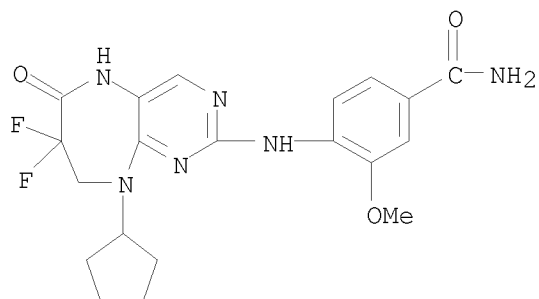
RN 1201692-31-0 CAPLUS

CN Benzamide, 4-[[9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5-(2,2,2-trifluoroethyl)-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



RN 1201692-33-2 CAPLUS

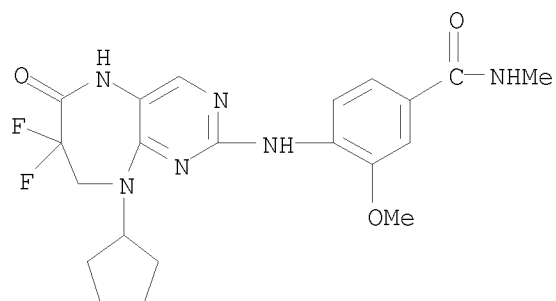
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)



RN 1201692-34-3 CAPLUS

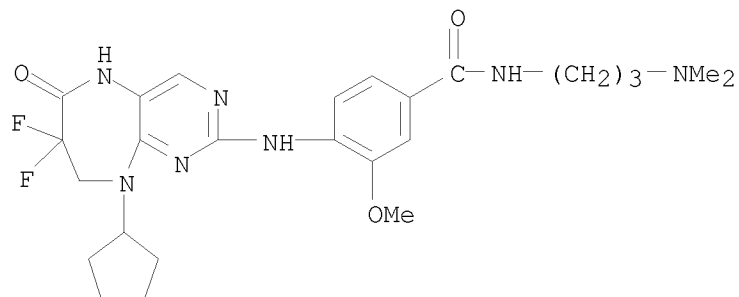
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-methyl- (CA INDEX NAME)

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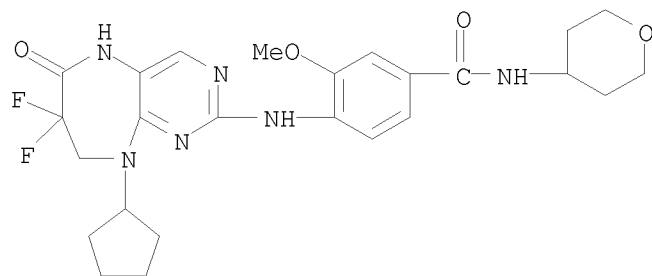
RN 1201692-35-4 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-3-methoxy- (CA INDEX NAME)



RN 1201692-36-5 CAPLUS

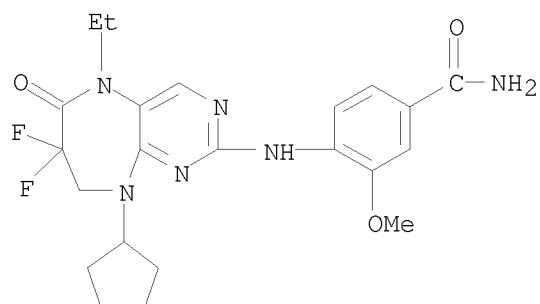
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)



RN 1201692-38-7 CAPLUS

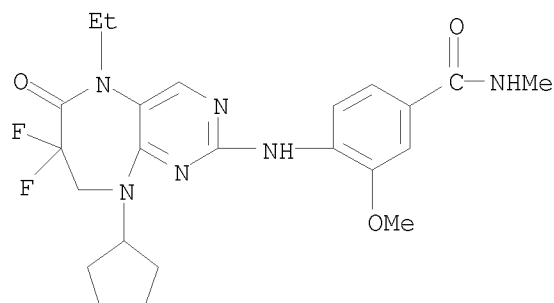
CN Benzamide, 4-[(9-cyclopentyl-5-ethyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy- (CA INDEX NAME)

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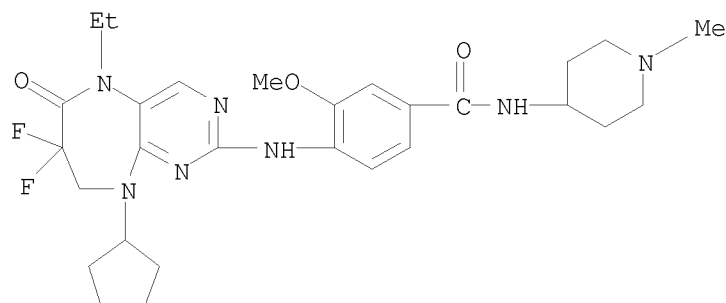
RN 1201692-39-8 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-5-ethyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-methyl- (CA INDEX NAME)



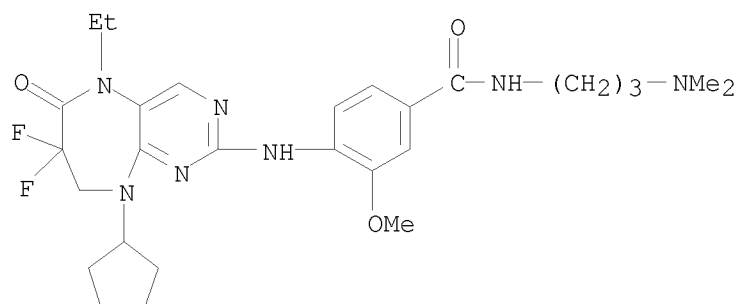
RN 1201692-40-1 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-5-ethyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(1-methyl-4-piperidiny)- (CA INDEX NAME)



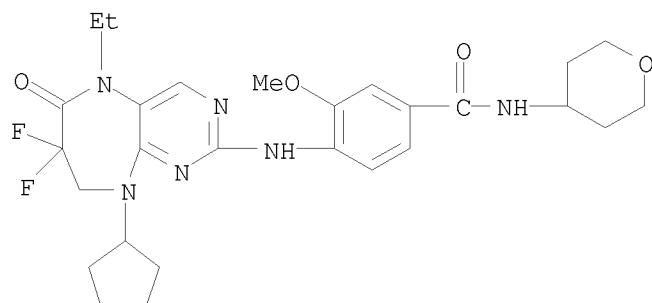
RN 1201692-41-2 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-5-ethyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-3-methoxy- (CA INDEX NAME)



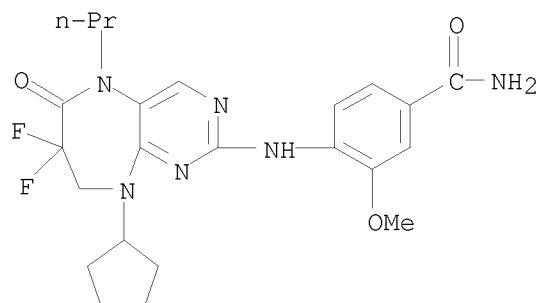
RN 1201692-42-3 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-5-ethyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)



RN 1201692-44-5 CAPLUS

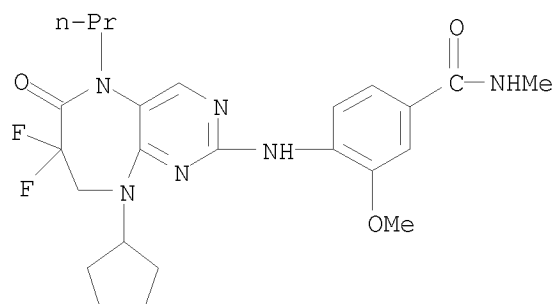
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5-propyl-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-methyl- (CA INDEX NAME)



RN 1201692-45-6 CAPLUS

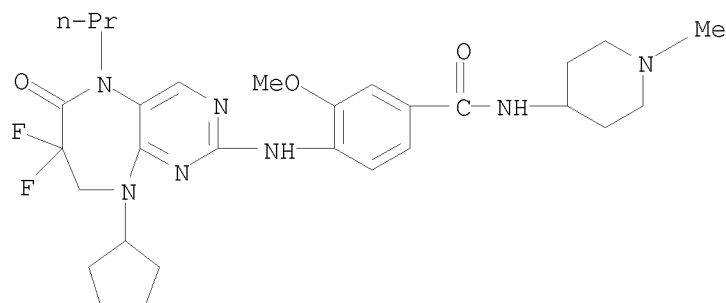
CN Benzamide, 4-[(9-cyclopentyl-5-n-propyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-methyl- (CA INDEX NAME)

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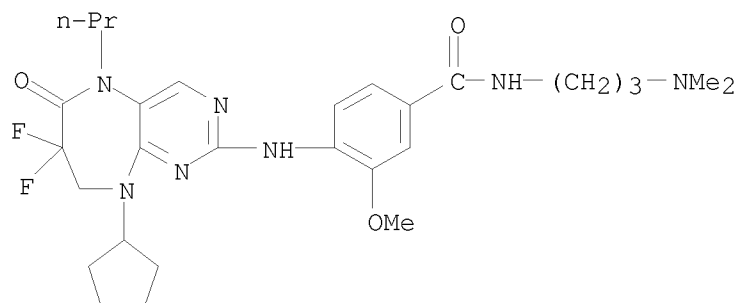
RN 1201692-46-7 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5-propyl-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



RN 1201692-47-8 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5-propyl-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-3-methoxy- (CA INDEX NAME)

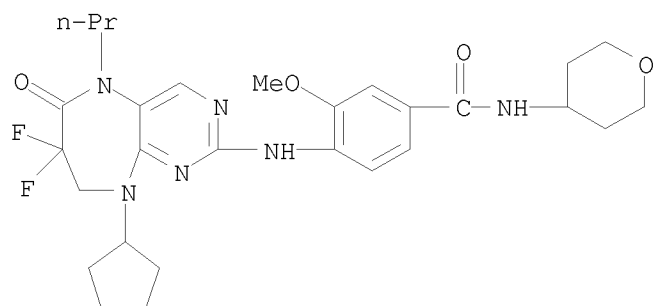


RN 1201692-48-9 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-6-oxo-5-propyl-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)

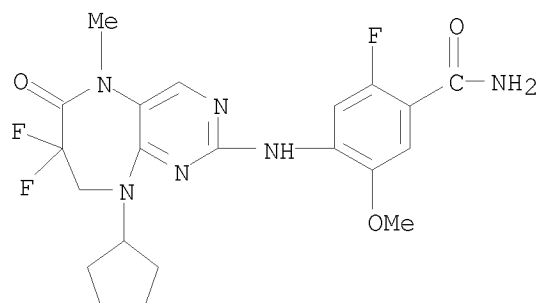


10/560,953



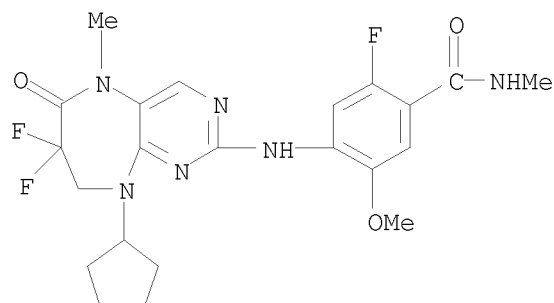
RN 1201692-50-3 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2-fluoro-5-methoxy- (CA INDEX NAME)



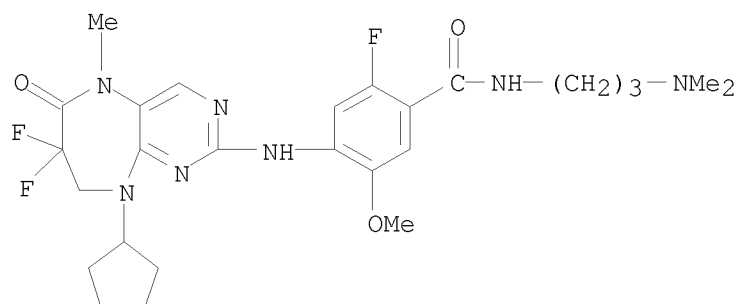
RN 1201692-51-4 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2-fluoro-5-methoxy-N-methyl- (CA INDEX NAME)



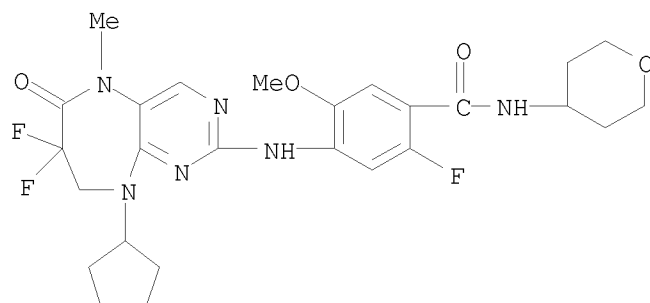
RN 1201692-52-5 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-2-fluoro-5-methoxy- (CA INDEX NAME)



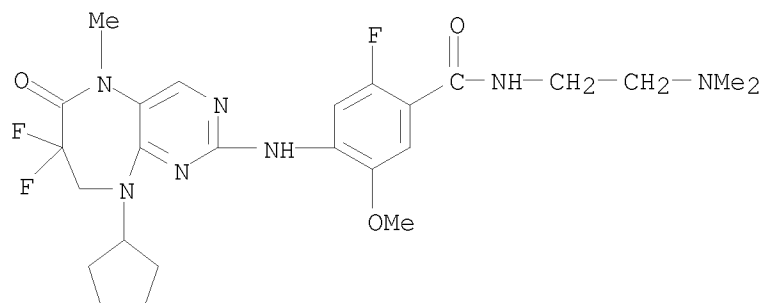
RN 1201692-53-6 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2-fluoro-5-methoxy-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)



RN 1201692-54-7 CAPLUS

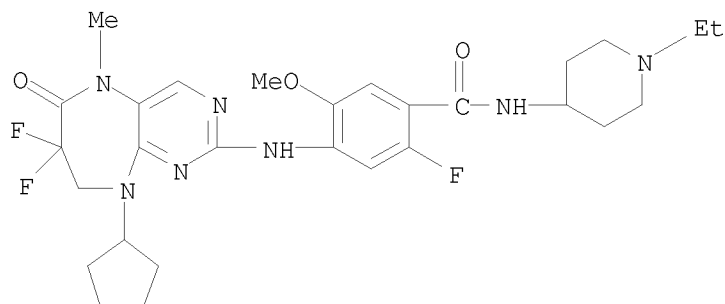
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[2-(dimethylamino)ethyl]-2-fluoro-5-methoxy- (CA INDEX NAME)



RN 1201692-55-8 CAPLUS

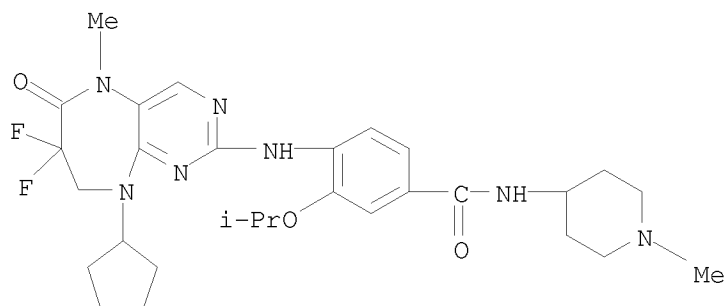
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-ethyl-4-piperidinyl)-2-fluoro-5-methoxy- (CA INDEX NAME)

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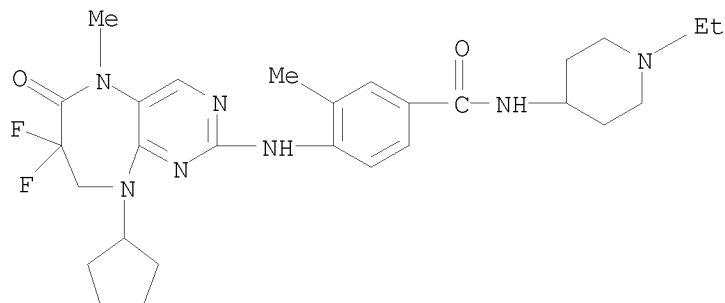
RN 1201692-56-9 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-(1-methylethoxy)-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



RN 1201692-57-0 CAPLUS

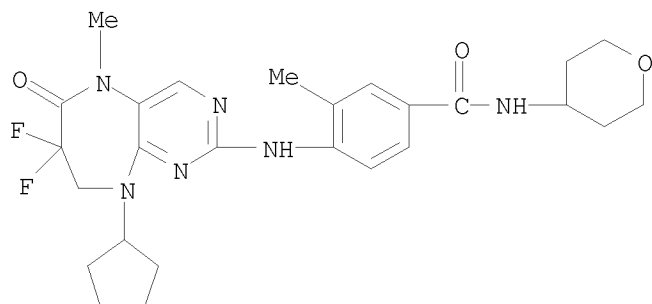
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-ethyl-4-piperidinyl)-3-methyl- (CA INDEX NAME)



RN 1201692-58-1 CAPLUS

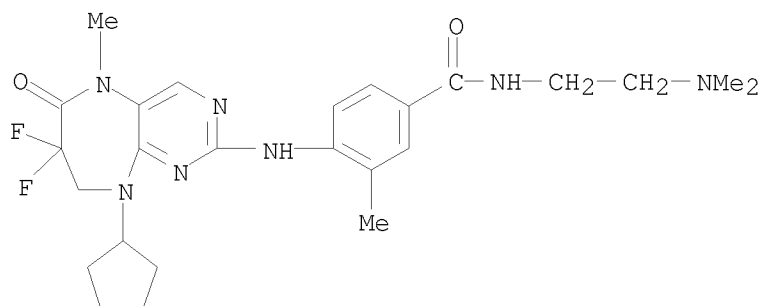
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methyl-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)

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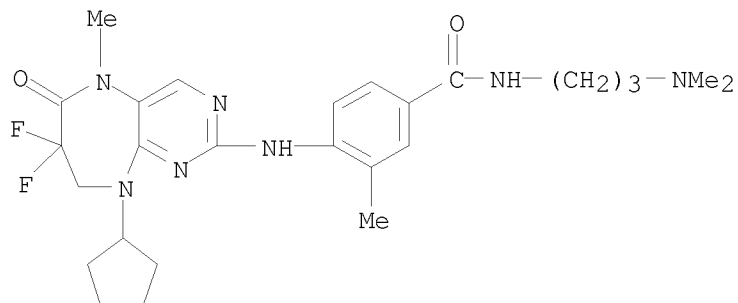
RN 1201692-59-2 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[2-(dimethylamino)ethyl]-3-methyl- (CA INDEX NAME)



RN 1201692-60-5 CAPLUS

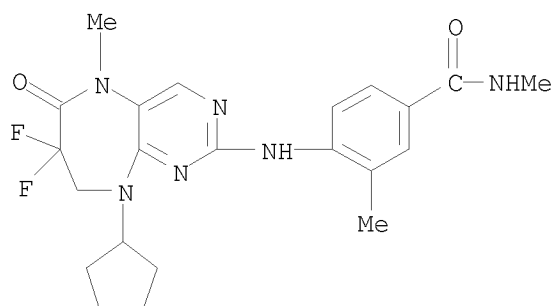
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-3-methyl- (CA INDEX NAME)



RN 1201692-61-6 CAPLUS

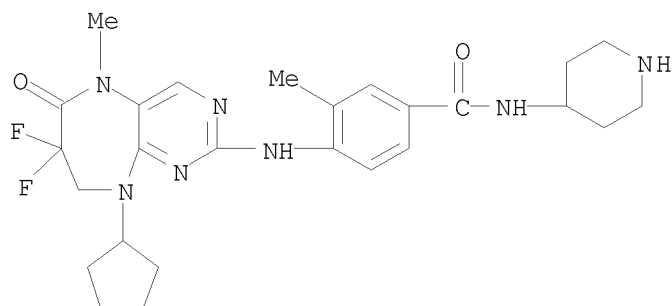
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N,3-dimethyl- (CA INDEX NAME)

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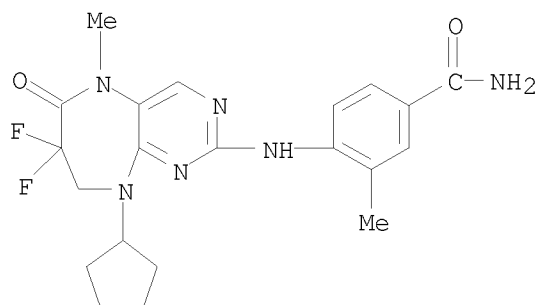
RN 1201692-63-8 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methyl-N-4-piperidinyl- (CA INDEX NAME)



RN 1201692-64-9 CAPLUS

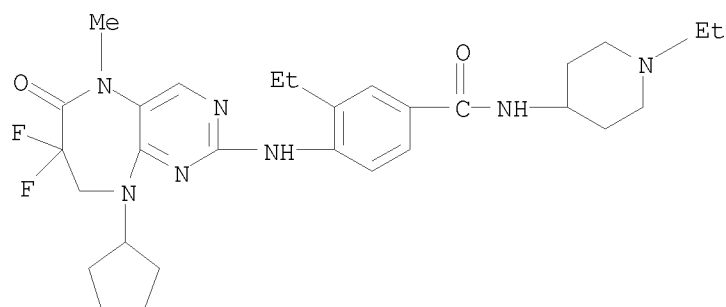
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methyl- (CA INDEX NAME)



RN 1201692-65-0 CAPLUS

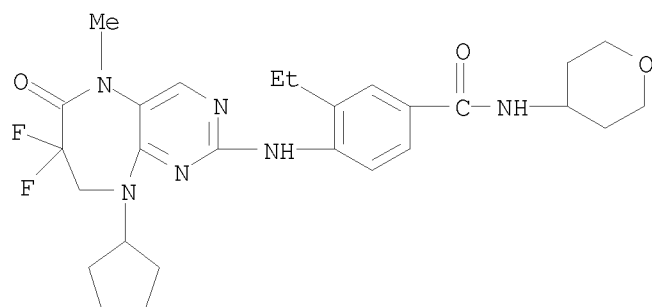
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethyl-N-(1-ethyl-4-piperidinyl)- (CA INDEX NAME)

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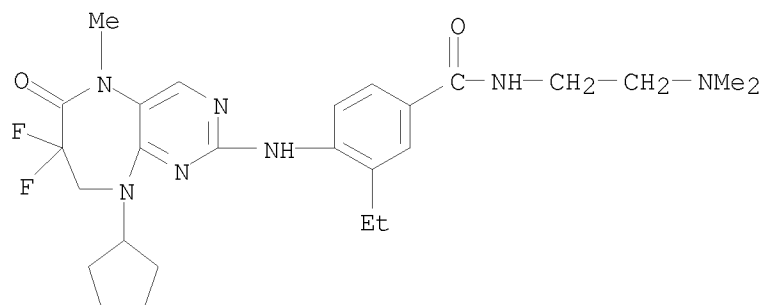
RN 1201692-66-1 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethyl-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)



RN 1201692-67-2 CAPLUS

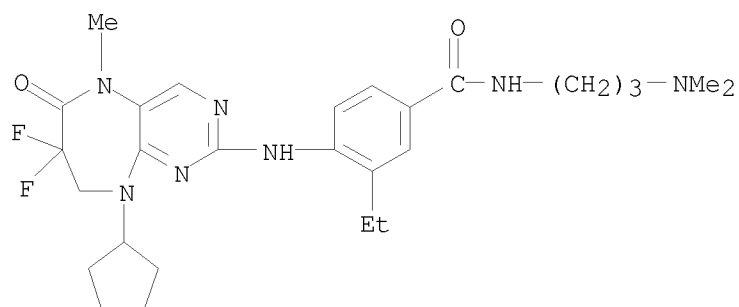
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[2-(dimethylamino)ethyl]-3-ethyl- (CA INDEX NAME)



RN 1201692-68-3 CAPLUS

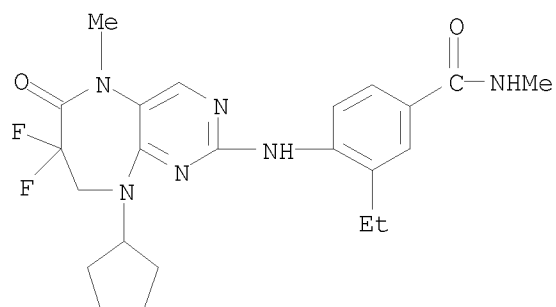
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-3-ethyl- (CA INDEX NAME)

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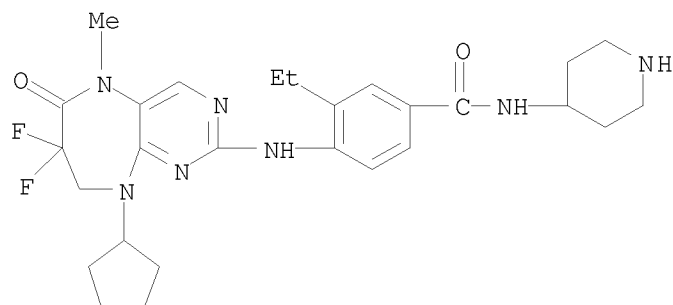
RN 1201692-69-4 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethyl-N-methyl- (CA INDEX NAME)



RN 1201692-71-8 CAPLUS

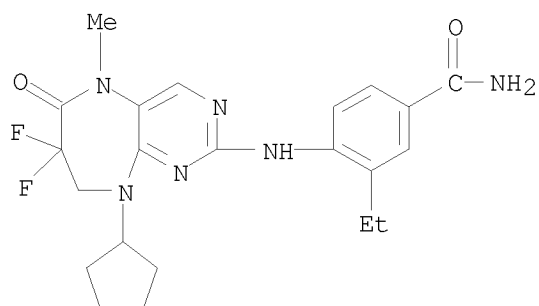
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethyl-N-4-piperidinyl- (CA INDEX NAME)



RN 1201692-72-9 CAPLUS

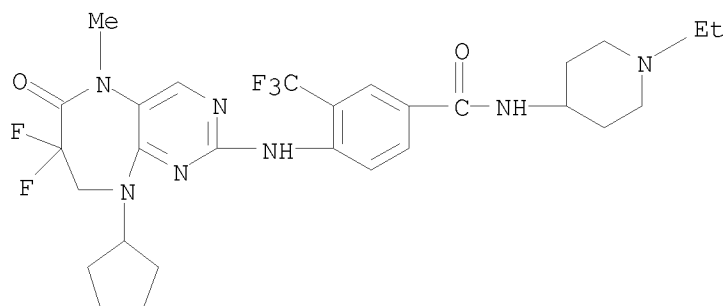
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethyl- (CA INDEX NAME)

10/560,953



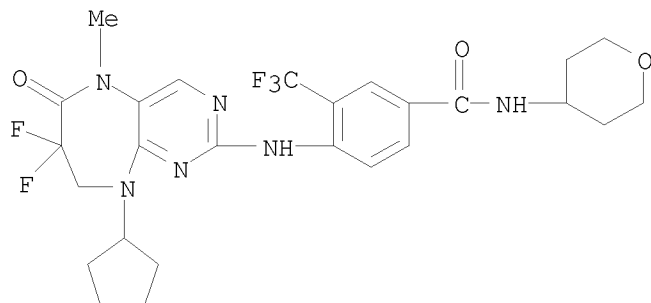
RN 1201692-73-0 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-ethyl-4-piperidinyl)-3-(trifluoromethyl)- (CA INDEX NAME)



RN 1201692-74-1 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(tetrahydro-2H-pyran-4-yl)-3-(trifluoromethyl)- (CA INDEX NAME)

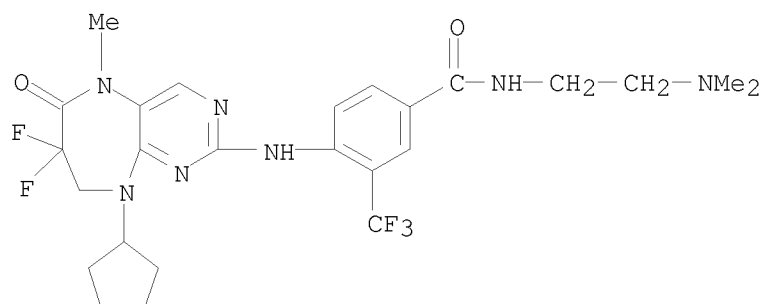


RN 1201692-75-2 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[2-(dimethylamino)ethyl]-3-(trifluoromethyl)- (CA INDEX NAME)

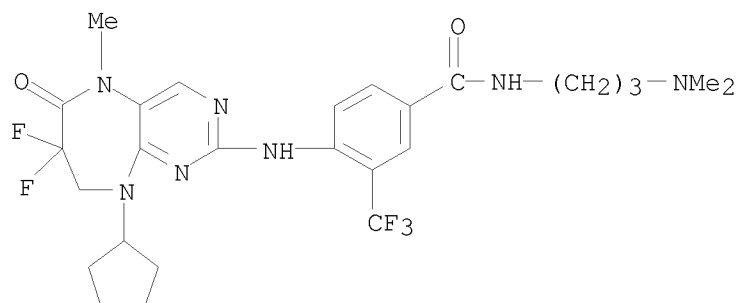


10/560,953



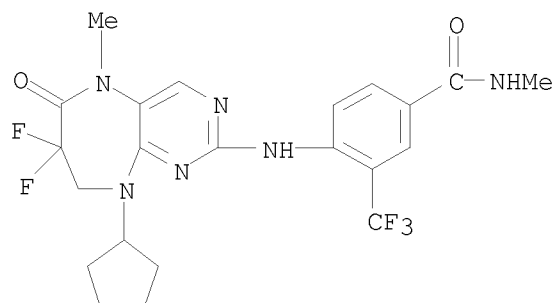
RN 1201692-76-3 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-3-(trifluoromethyl)- (CA INDEX NAME)



RN 1201692-77-4 CAPLUS

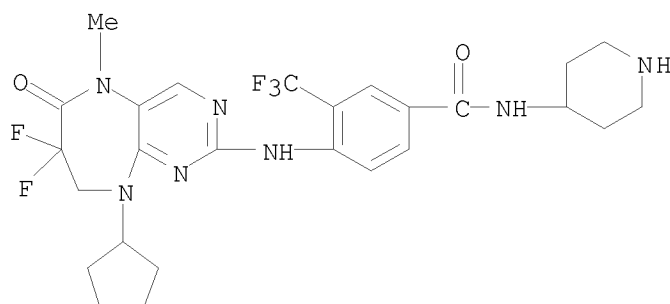
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-methyl-3-(trifluoromethyl)- (CA INDEX NAME)



RN 1201692-79-6 CAPLUS

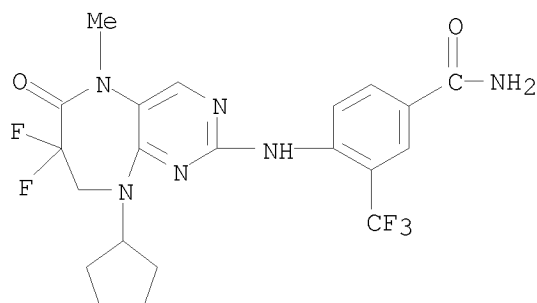
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-4-piperidinyl-3-(trifluoromethyl)- (CA INDEX NAME)

10/560,953



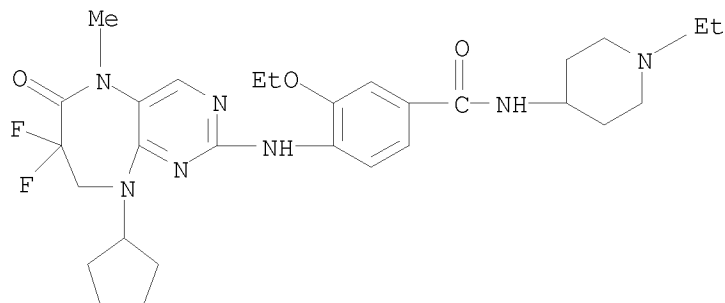
RN 1201692-80-9 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-(trifluoromethyl)- (CA INDEX NAME)



RN 1201692-81-0 CAPLUS

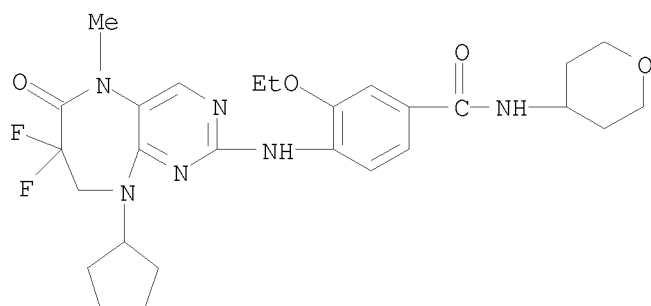
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethoxy-N-(1-ethyl-4-piperidinyl)- (CA INDEX NAME)



RN 1201692-82-1 CAPLUS

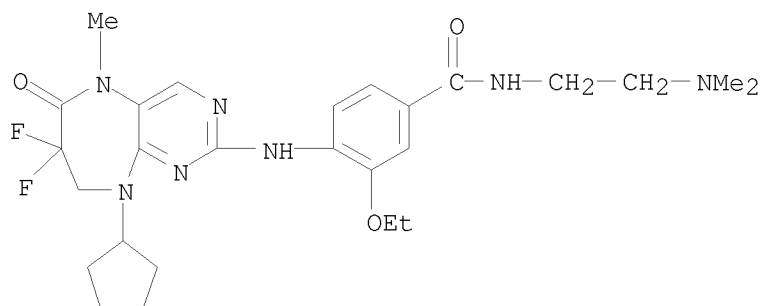
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethoxy-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)

10/560,953



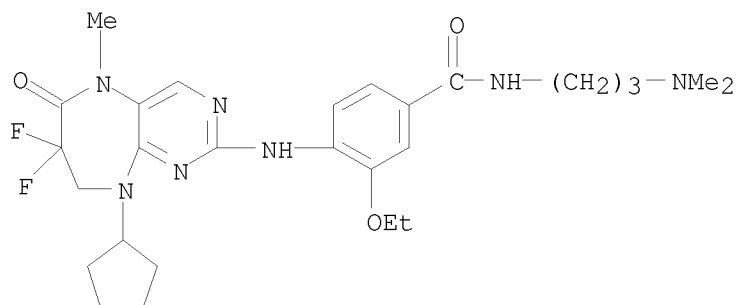
RN 1201692-83-2 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[2-(dimethylamino)ethyl]-3-ethoxy- (CA INDEX NAME)



RN 1201692-84-3 CAPLUS

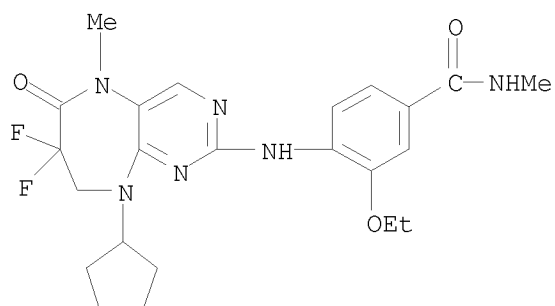
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-3-ethoxy- (CA INDEX NAME)



RN 1201692-85-4 CAPLUS

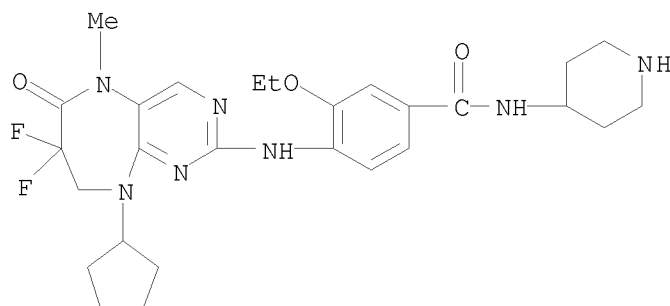
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethoxy-N-methyl- (CA INDEX NAME)

10/560,953



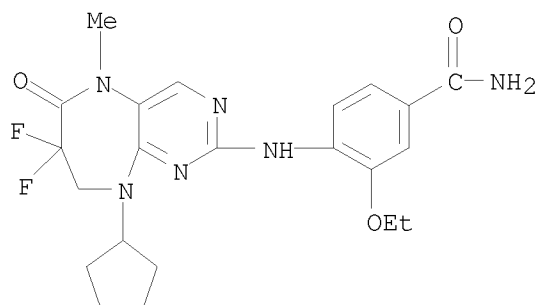
RN 1201692-87-6 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethoxy-N-4-piperidinyl- (CA INDEX NAME)



RN 1201692-88-7 CAPLUS

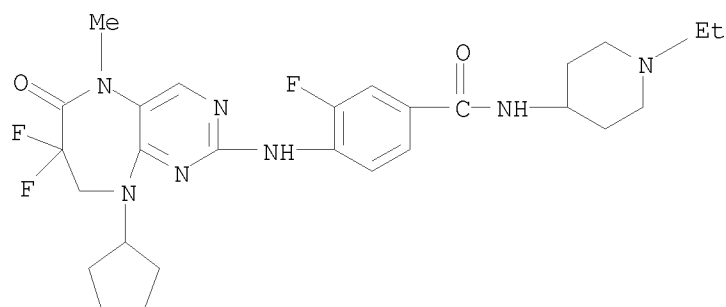
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-ethoxy- (CA INDEX NAME)



RN 1201692-89-8 CAPLUS

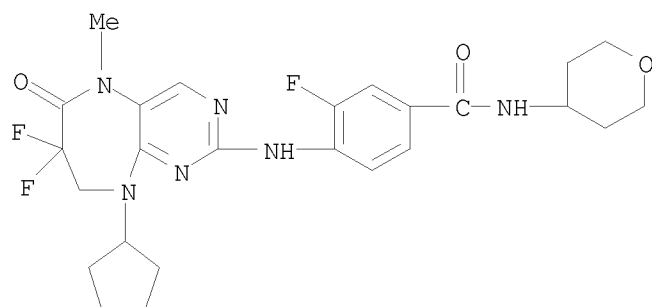
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-ethyl-4-piperidinyl)-3-fluoro- (CA INDEX NAME)

10/560,953



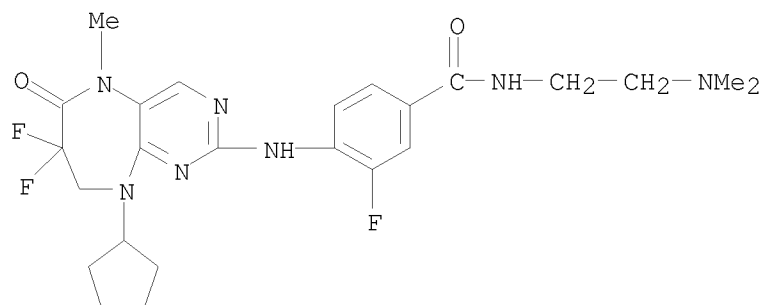
RN 1201692-90-1 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-fluoro-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)



RN 1201692-91-2 CAPLUS

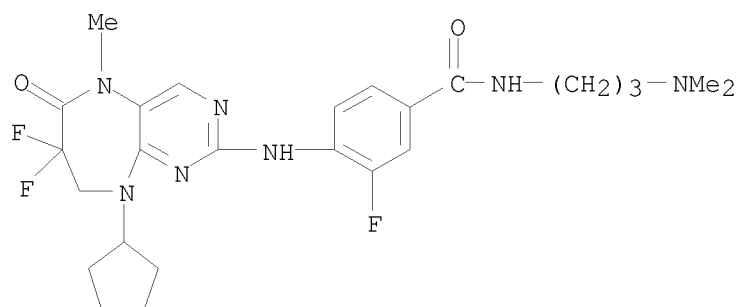
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[2-(dimethylamino)ethyl]-3-fluoro- (CA INDEX NAME)



RN 1201692-92-3 CAPLUS

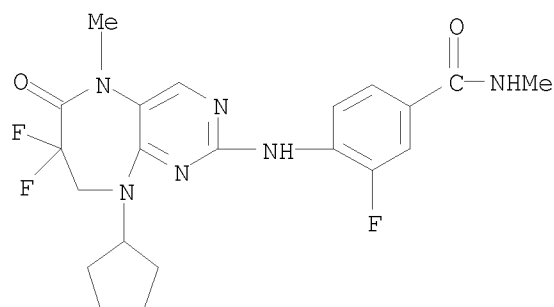
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-3-fluoro- (CA INDEX NAME)

10/560,953



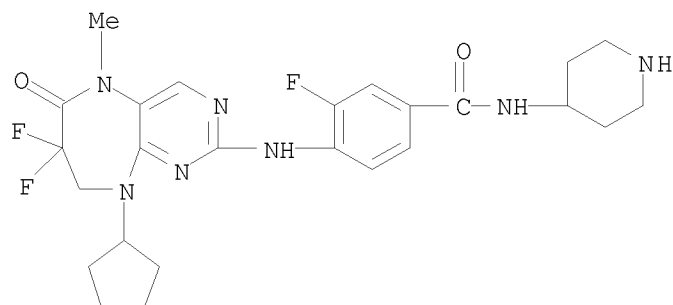
RN 1201692-93-4 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-fluoro-N-methyl- (CA INDEX NAME)



RN 1201692-95-6 CAPLUS

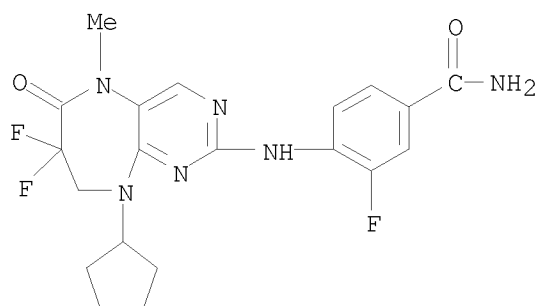
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-fluoro-N-4-piperidinyl- (CA INDEX NAME)



RN 1201692-96-7 CAPLUS

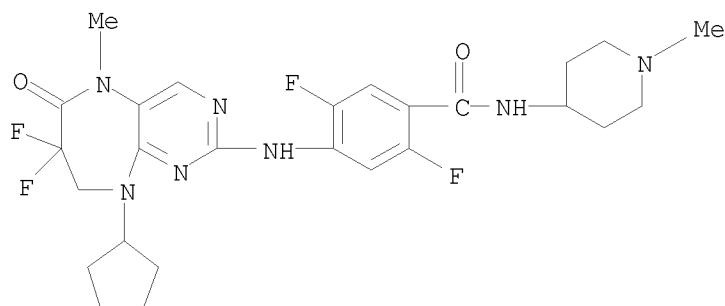
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-fluoro- (CA INDEX NAME)

10/560,953



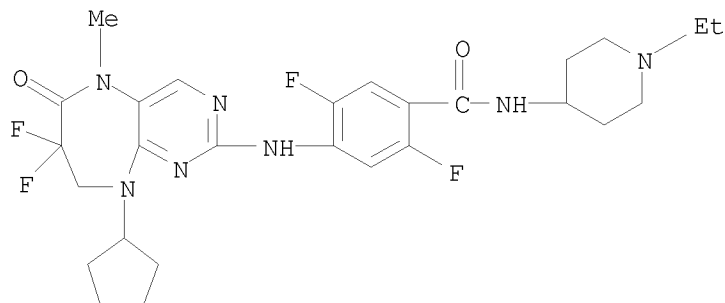
RN 1201692-98-9 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2,5-difluoro-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



RN 1201692-99-0 CAPLUS

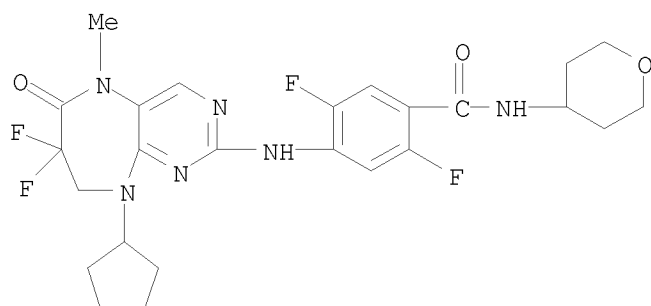
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-ethyl-4-piperidinyl)-2,5-difluoro- (CA INDEX NAME)



RN 1201693-00-6 CAPLUS

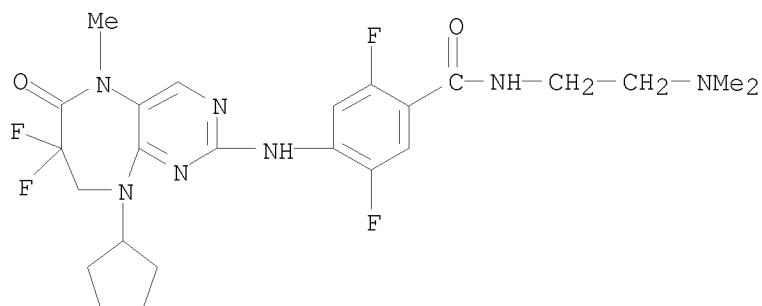
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2,5-difluoro-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)

10/560,953



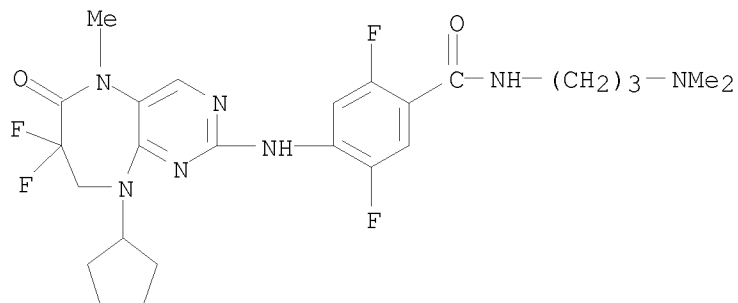
RN 1201693-01-7 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[2-(dimethylamino)ethyl]-2,5-difluoro- (CA INDEX NAME)



RN 1201693-02-8 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-2,5-difluoro- (CA INDEX NAME)

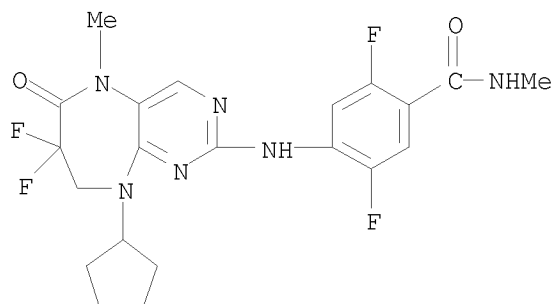


RN 1201693-03-9 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2,5-difluoro-N-methyl- (CA INDEX NAME)

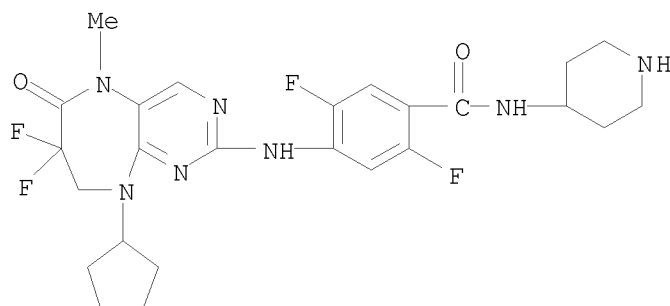


10/560,953



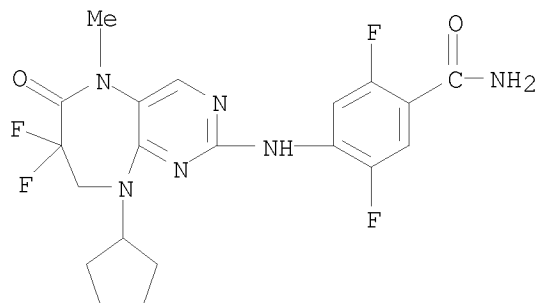
RN 1201693-05-1 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2,5-difluoro-N-4-piperidinyl- (CA INDEX NAME)



RN 1201693-06-2 CAPLUS

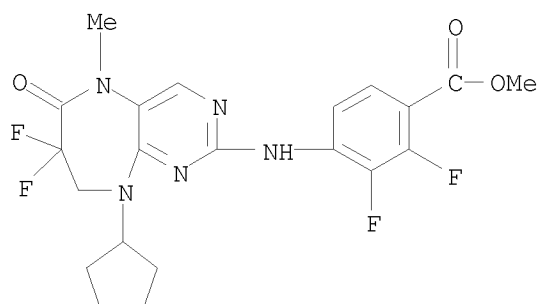
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2,5-difluoro- (CA INDEX NAME)



RN 1201693-07-3 CAPLUS

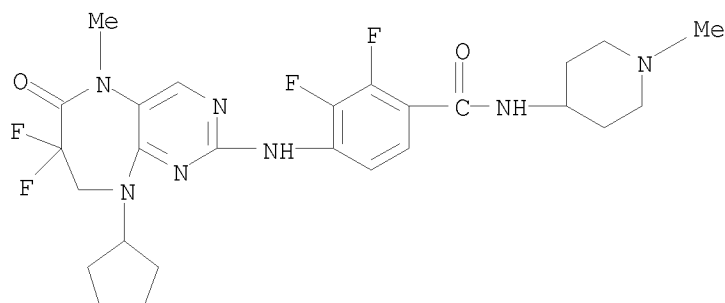
CN Benzoic acid, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2,3-difluoro-, methyl ester (CA INDEX NAME)

10/560,953



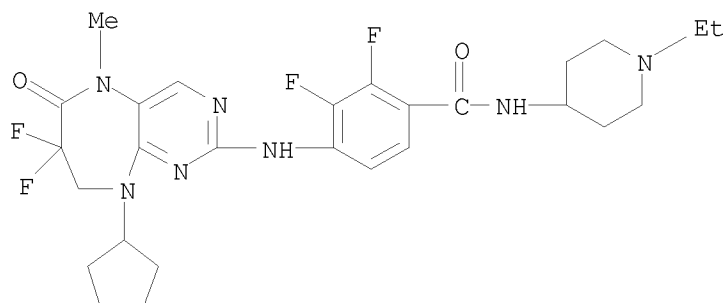
RN 1201693-08-4 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2,3-difluoro-N-(1-methyl-4-piperidiny)- (CA INDEX NAME)



RN 1201693-09-5 CAPLUS

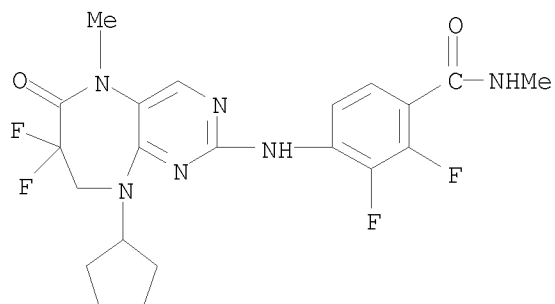
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-ethyl-4-piperidiny)-2,3-difluoro- (CA INDEX NAME)



RN 1201693-10-8 CAPLUS

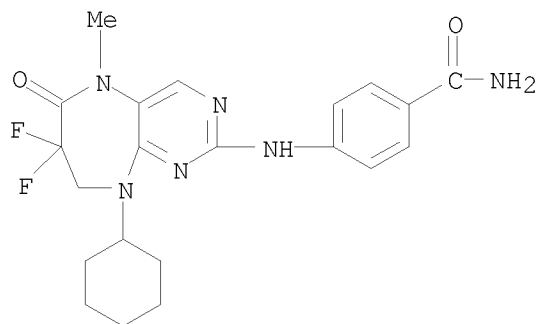
CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-2,3-difluoro-N-methyl- (CA INDEX NAME)

10/560,953



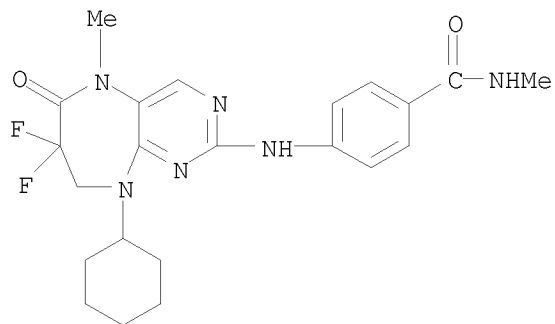
RN 1201693-13-1 CAPLUS

CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]- (CA INDEX NAME)



RN 1201693-14-2 CAPLUS

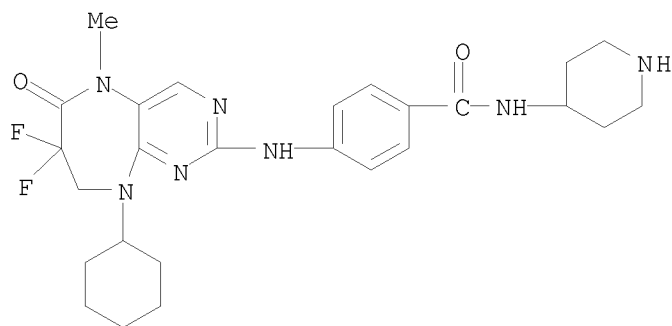
CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-methyl- (CA INDEX NAME)



RN 1201693-16-4 CAPLUS

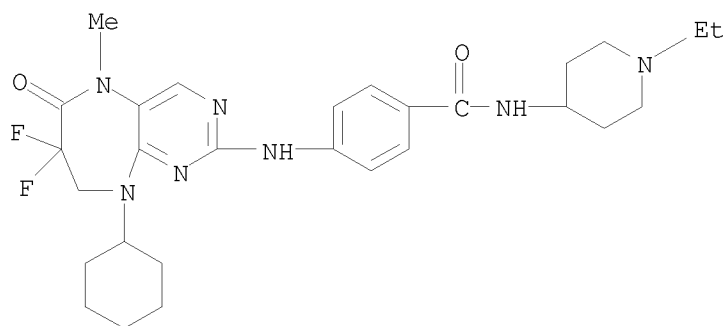
CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-4-piperidinyl- (CA INDEX NAME)

10/560,953



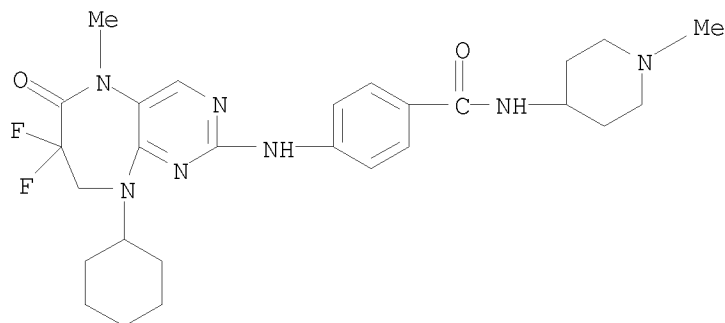
RN 1201693-17-5 CAPLUS

CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-ethyl-4-piperidinyl)-  
(CA INDEX NAME)



RN 1201693-18-6 CAPLUS

CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(1-methyl-4-piperidinyl)-  
(CA INDEX NAME)

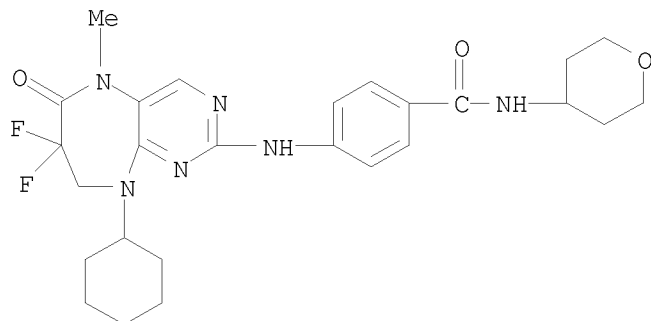


RN 1201693-19-7 CAPLUS

CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-

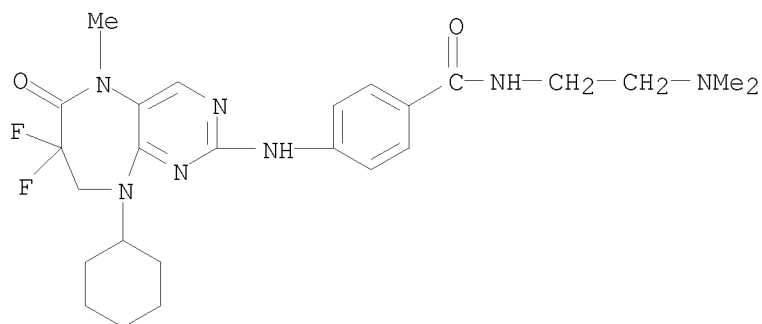
10/560,953

5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-(tetrahydro-2H-pyran-4-yl)-  
(CA INDEX NAME)



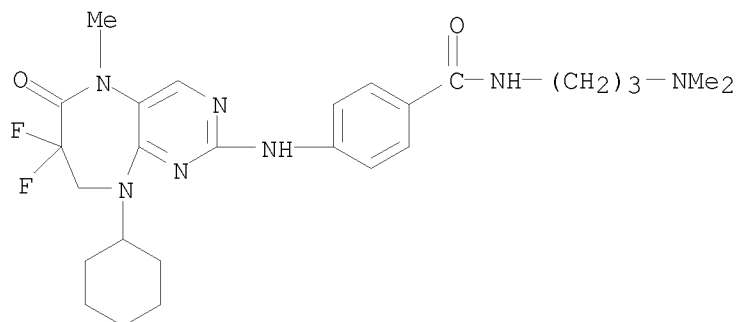
RN 1201693-20-0 CAPLUS

CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[2-(dimethylamino)ethyl]-  
(CA INDEX NAME)



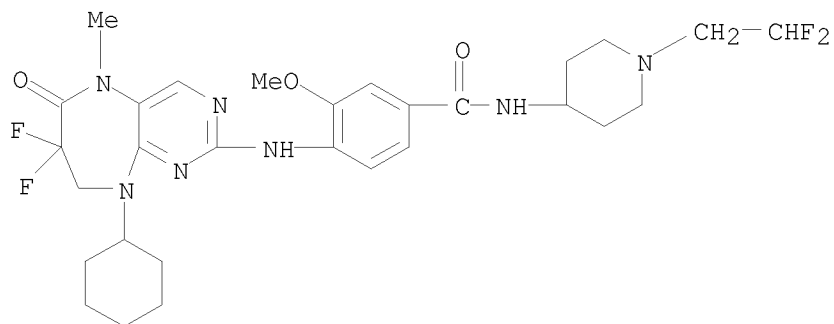
RN 1201693-21-1 CAPLUS

CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[3-(dimethylamino)propyl]-  
(CA INDEX NAME)



RN 1201693-22-2 CAPLUS

CN Benzamide, 4-[(9-cyclohexyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[1-(2,2-difluoroethyl)-4-piperidinyl]-3-methoxy- (CA INDEX NAME)



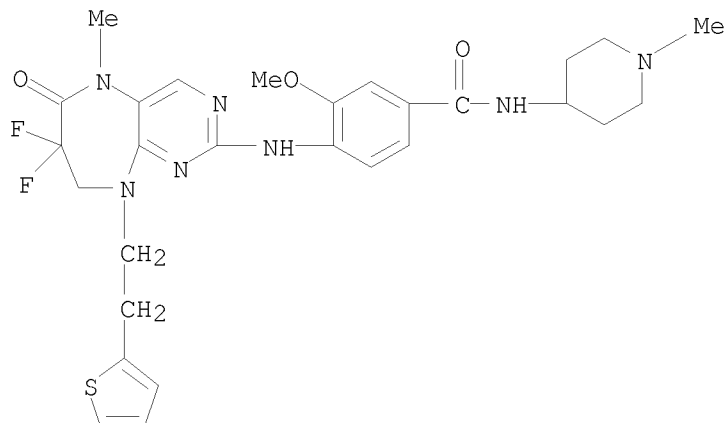
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	1201693-27-7P	1201693-28-8P	1201693-30-2P
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	1201693-34-6P	1201693-36-8P	1201693-37-9P
	1201693-38-0P	1201693-39-1P	1201693-40-4P
	1201693-42-6P	1201693-43-7P	1201693-44-8P
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	1201693-49-3P	1201693-50-6P	1201693-51-7P
	1201693-52-8P	1201693-53-9P	1201693-54-0P
	1201693-55-1P	1201693-56-2P	1201693-57-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pyrimidodiazepine derivs. for use as PLK1 inhibitors)

RN 1201693-24-4 CAPLUS

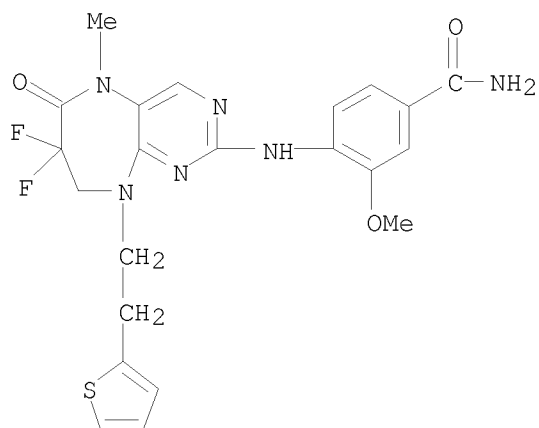
CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-[2-(2-thienyl)ethyl]-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)



10/560,953

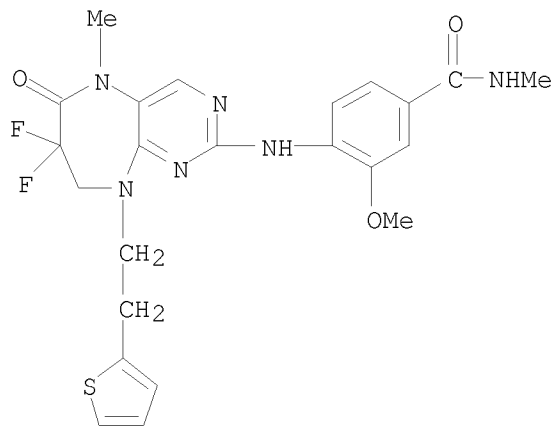
RN 1201693-25-5 CAPLUS

CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-[2-(2-thienyl)ethyl]-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy- (CA INDEX NAME)



RN 1201693-26-6 CAPLUS

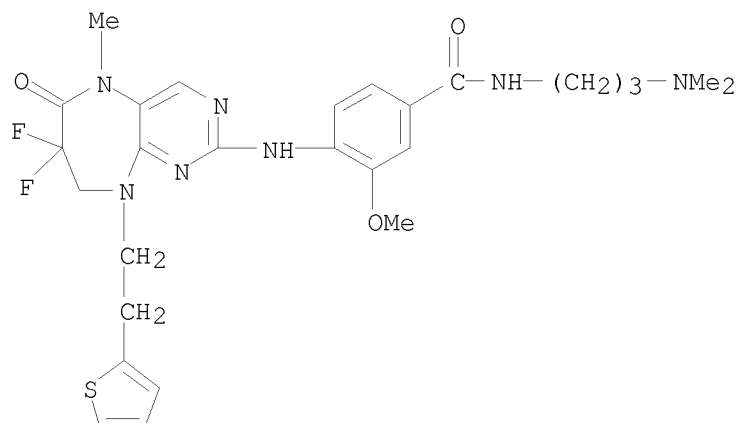
CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-[2-(2-thienyl)ethyl]-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-methyl- (CA INDEX NAME)



RN 1201693-27-7 CAPLUS

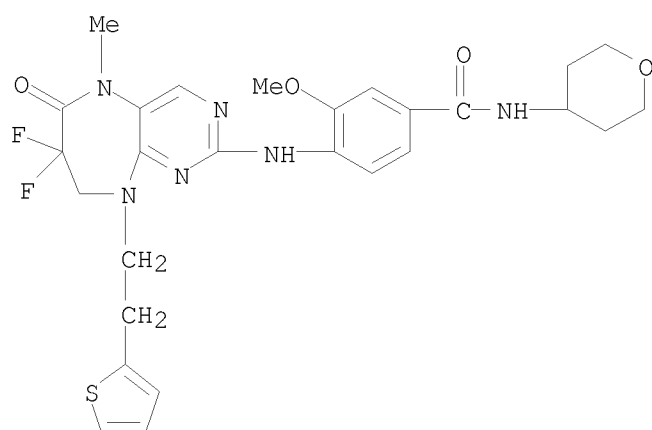
CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-[2-(2-thienyl)ethyl]-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-N-[3-(dimethylamino)propyl]-3-methoxy- (CA INDEX NAME)

10/560,953



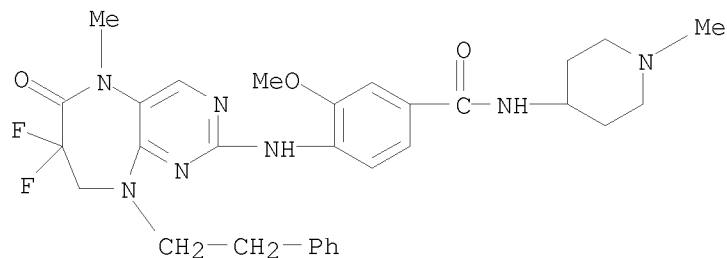
RN 1201693-28-8 CAPLUS

CN Benzamide, 4-[[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-[2-(2-thienyl)ethyl]-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)



RN 1201693-30-2 CAPLUS

CN Benzamide, 4-[[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-(2-phenylethyl)-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)

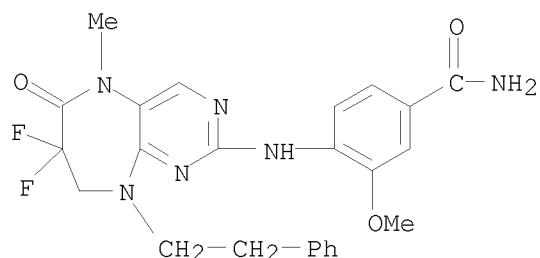




10/560,953

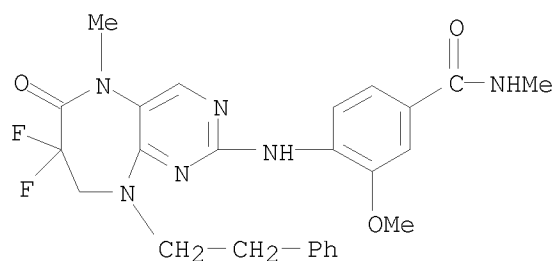
RN 1201693-31-3 CAPLUS

CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-(2-phenylethyl)-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy- (CA INDEX NAME)



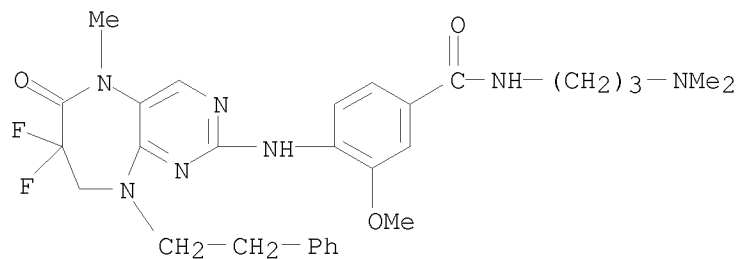
RN 1201693-32-4 CAPLUS

CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-(2-phenylethyl)-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-methyl- (CA INDEX NAME)



RN 1201693-33-5 CAPLUS

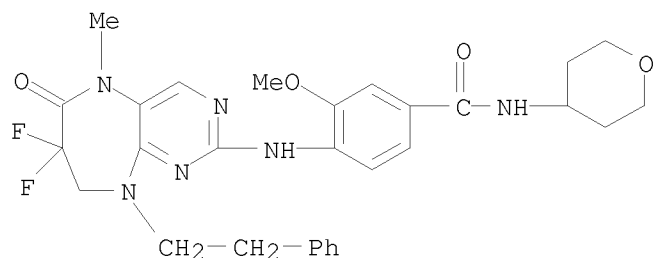
CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-(2-phenylethyl)-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-N-[3-(dimethylamino)propyl]-3-methoxy- (CA INDEX NAME)



RN 1201693-34-6 CAPLUS

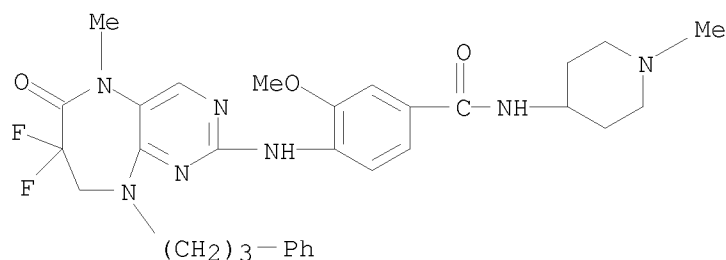
CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-(2-phenylethyl)-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)

10/560,953



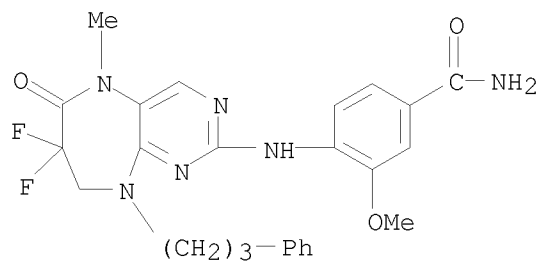
RN 1201693-36-8 CAPLUS

CN Benzamide, 4-[[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-(3-phenylpropyl)-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-(1-methyl-4-piperidinyloxy]- (CA INDEX NAME)



RN 1201693-37-9 CAPLUS

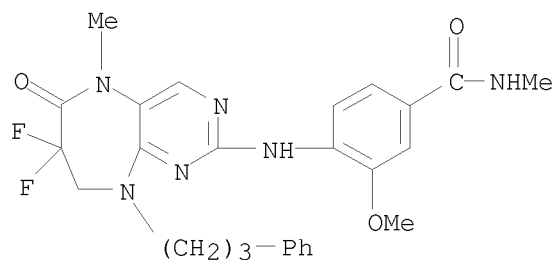
CN Benzamide, 4-[[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-(3-phenylpropyl)-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy- (CA INDEX NAME)



RN 1201693-38-0 CAPLUS

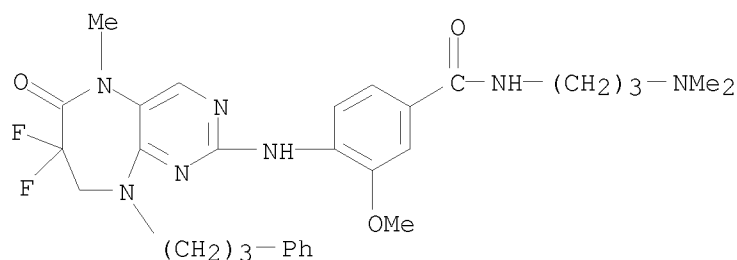
CN Benzamide, 4-[[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-(3-phenylpropyl)-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-methyl- (CA INDEX NAME)

10/560,953



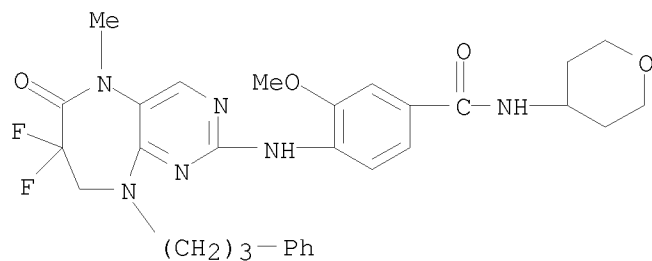
RN 1201693-39-1 CAPLUS

CN Benzamide, 4-[[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-(3-phenylpropyl)-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-N-[3-(dimethylamino)propyl]-3-methoxy- (CA INDEX NAME)



RN 1201693-40-4 CAPLUS

CN Benzamide, 4-[[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-(3-phenylpropyl)-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)

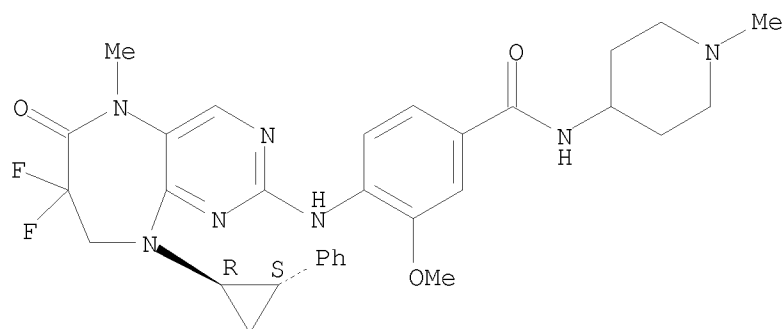


RN 1201693-42-6 CAPLUS

CN Benzamide, 4-[[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-[(1R,2S)-2-phenylcyclopropyl]-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-(1-methyl-4-piperidinyl)-, rel- (CA INDEX NAME)

Relative stereochemistry.

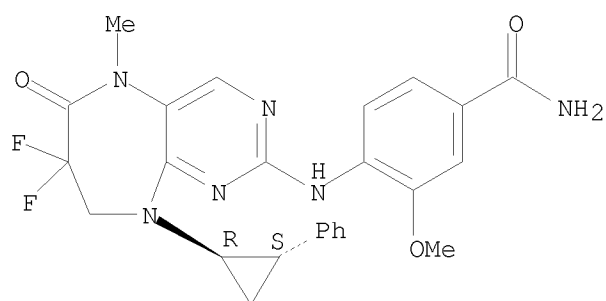
10/560,953



RN 1201693-43-7 CAPLUS

CN Benzamide, 4-[[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-[(1R,2S)-2-phenylcyclopropyl]-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-, rel- (CA INDEX NAME)

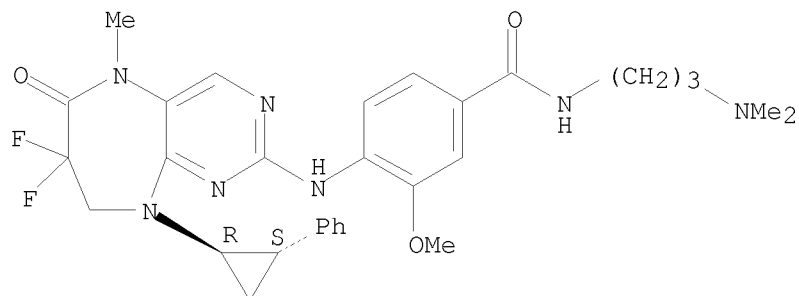
Relative stereochemistry.



RN 1201693-44-8 CAPLUS

CN Benzamide, 4-[[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-[(1R,2S)-2-phenylcyclopropyl]-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-N-[3-(dimethylamino)propyl]-3-methoxy-, rel- (CA INDEX NAME)

Relative stereochemistry.

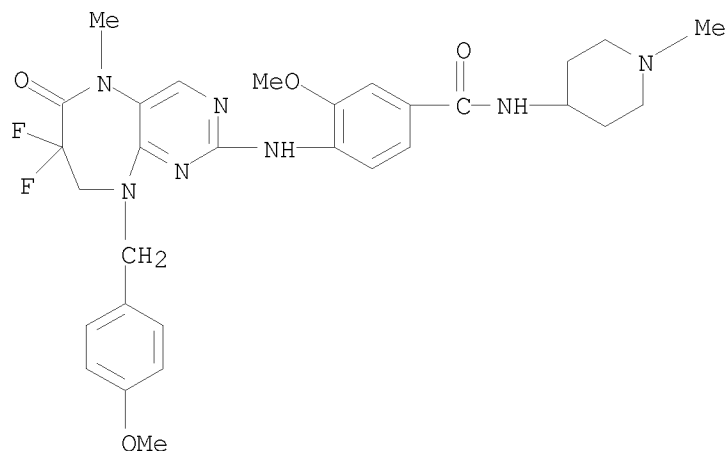


RN 1201693-45-9 CAPLUS

CN Benzamide, 4-[[[7,7-difluoro-6,7,8,9-tetrahydro-9-[(4-methoxyphenyl)methyl]-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-N-[3-(dimethylamino)propyl]-3-methoxy-, rel- (CA INDEX NAME)

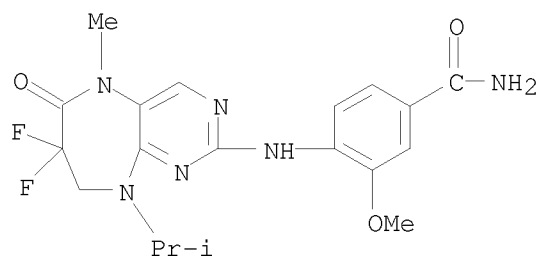
10/560,953

5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-(1-methyl-4-piperidiny)- (CA INDEX NAME)



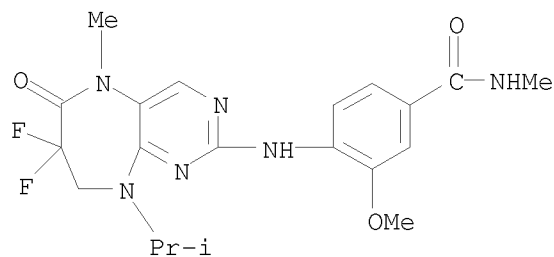
RN 1201693-47-1 CAPLUS

CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-9-(1-methylethyl)-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy- (CA INDEX NAME)



RN 1201693-48-2 CAPLUS

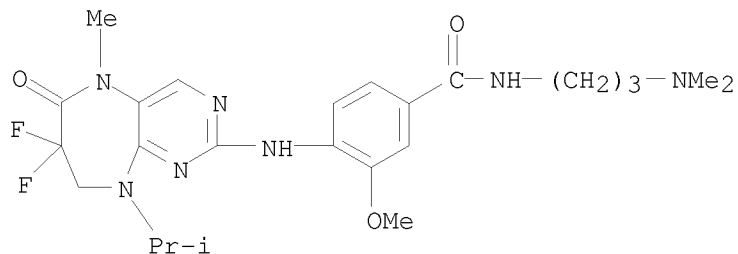
CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-9-(1-methylethyl)-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-methyl- (CA INDEX NAME)



RN 1201693-49-3 CAPLUS

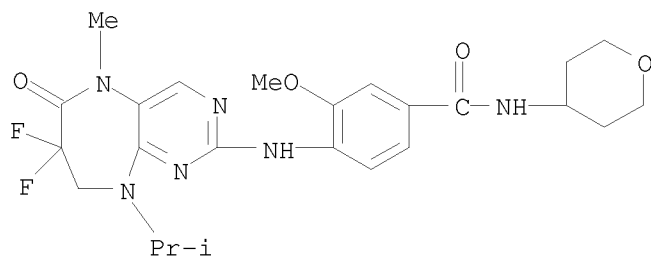
10/560,953

CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-9-(1-methylethyl)-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-N-[3-(dimethylamino)propyl]-3-methoxy- (CA INDEX NAME)



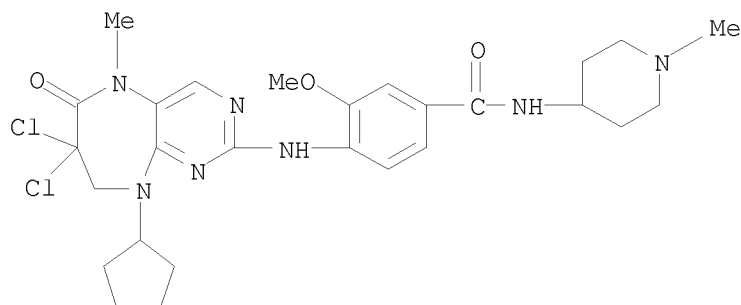
RN 1201693-50-6 CAPLUS

CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-9-(1-methylethyl)-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-(tetrahydro-2H-pyran-4-yl)- (CA INDEX NAME)



RN 1201693-51-7 CAPLUS

CN Benzamide, 4-[(7,7-dichloro-9-cyclopentyl-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxy-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)

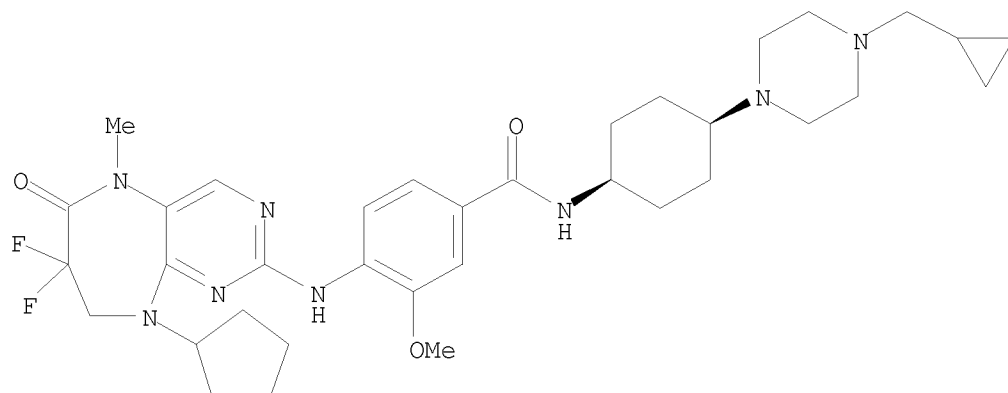


RN 1201693-52-8 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[cis-4-[4-(cyclopropylmethyl)-1-piperazinyl]cyclohexyl]-3-methoxy- (CA INDEX NAME)

10/560,953

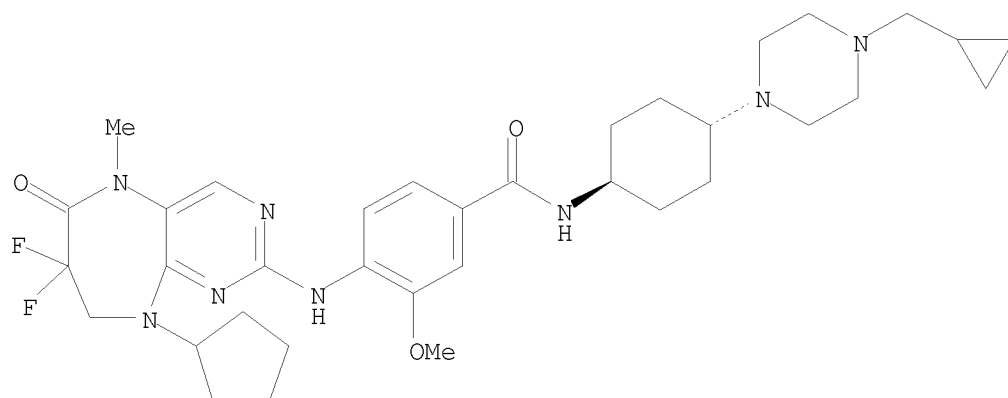
Relative stereochemistry.



RN 1201693-53-9 CAPLUS

CN Benzamide, 4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-N-[trans-4-[4-(cyclopropylmethyl)-1-piperazinyl]cyclohexyl]-3-methoxy- (CA INDEX NAME)

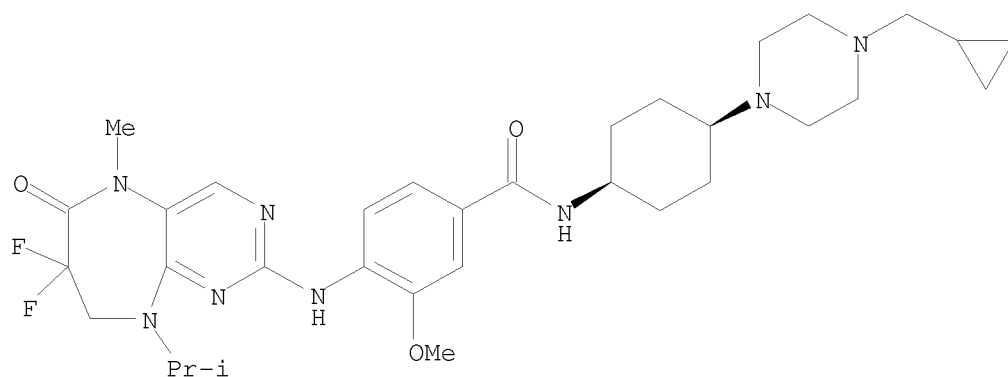
Relative stereochemistry.



RN 1201693-54-0 CAPLUS

CN Benzamide, N-[cis-4-[4-(cyclopropylmethyl)-1-piperazinyl]cyclohexyl]-4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-9-(1-methylethyl)-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy- (CA INDEX NAME)

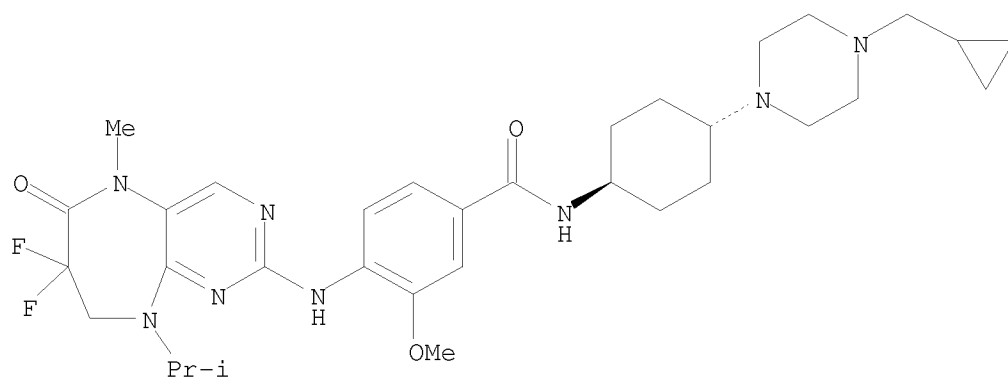
Relative stereochemistry.



RN 1201693-55-1 CAPLUS

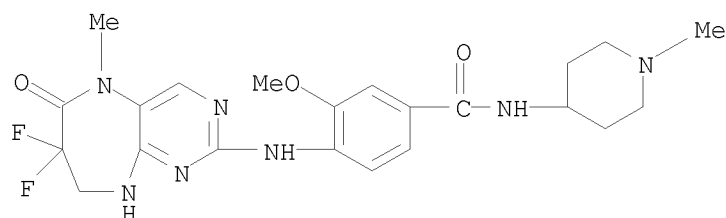
CN Benzamide, N-[trans-4-[4-(cyclopropylmethyl)-1-piperazinyl]cyclohexyl]-4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-9-(1-methylethyl)-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy- (CA INDEX NAME)

Relative stereochemistry.



RN 1201693-56-2 CAPLUS

CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-(1-methyl-4-piperidinyl)- (CA INDEX NAME)

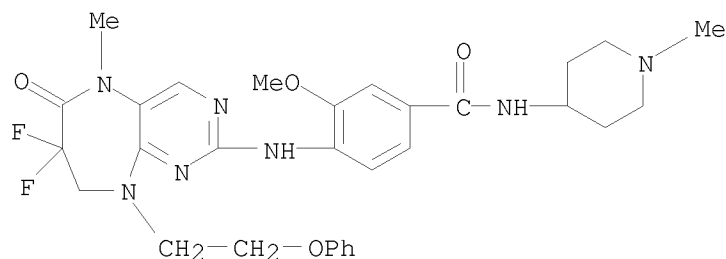


RN 1201693-57-3 CAPLUS

CN Benzamide, 4-[[7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-9-(2-phenoxyethyl)-5H-pyrimido[4,5-b][1,4]diazepin-2-yl]amino]-3-methoxy-N-(1-



methyl-4-piperidiny)- (CA INDEX NAME)



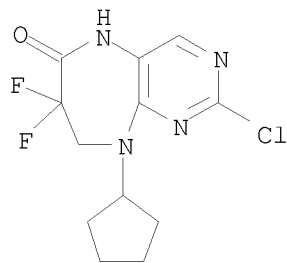
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	1201693-63-1P	1201693-64-2P	1201693-65-3P
	1201693-66-4P	1201693-70-0P	1201693-71-1P
	1201693-72-2P	1201693-74-4P	1201693-75-5P
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	1201693-86-8P	1201693-87-9P	1201693-88-0P
	1201693-90-4P	1201693-91-5P	1201693-94-8P
	1201693-99-3P		

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of pyrimidodiazepine derivs. for use as PLK1 inhibitors)

RN 1062246-01-8 CAPLUS

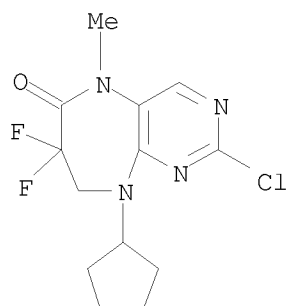
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-9-cyclopentyl-7,7-difluoro-5,7,8,9-tetrahydro- (CA INDEX NAME)



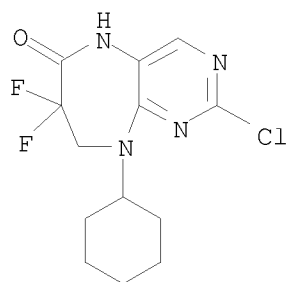
RN 1062246-03-0 CAPLUS

CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-9-cyclopentyl-7,7-difluoro-5,7,8,9-tetrahydro-5-methyl- (CA INDEX NAME)

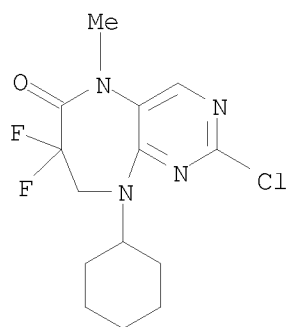
10/560,953



RN 1137869-50-1 CAPLUS  
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-9-cyclohexyl-7,7-difluoro-5,7,8,9-tetrahydro- (CA INDEX NAME)

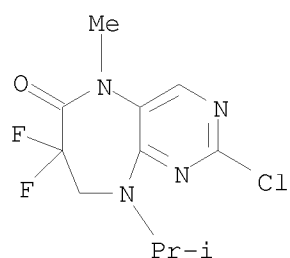


RN 1137869-51-2 CAPLUS  
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-9-cyclohexyl-7,7-difluoro-5,7,8,9-tetrahydro-5-methyl- (CA INDEX NAME)

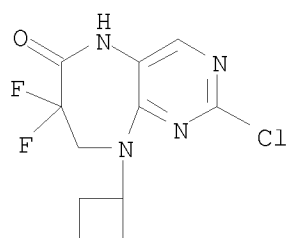


RN 1137870-04-2 CAPLUS  
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-7,7-difluoro-5,7,8,9-tetrahydro-5-methyl-9-(1-methylethyl)- (CA INDEX NAME)

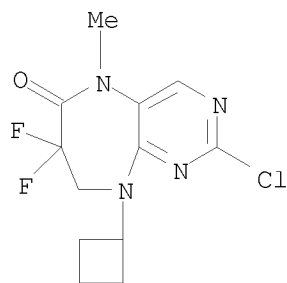
10/560,953



RN 1201693-59-5 CAPLUS  
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-9-cyclobutyl-7,7-difluoro-5,7,8,9-tetrahydro- (CA INDEX NAME)

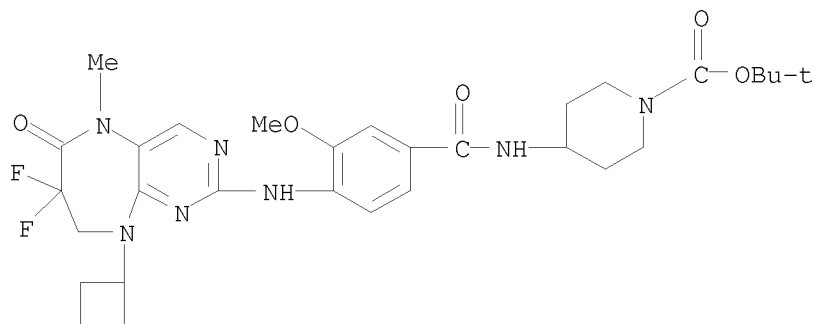


RN 1201693-60-8 CAPLUS  
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-9-cyclobutyl-7,7-difluoro-5,7,8,9-tetrahydro-5-methyl- (CA INDEX NAME)



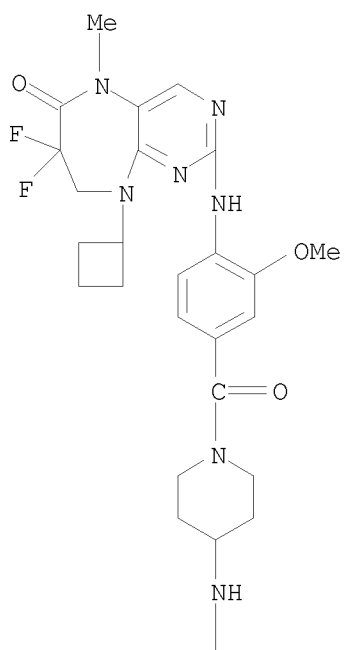
RN 1201693-61-9 CAPLUS  
CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)

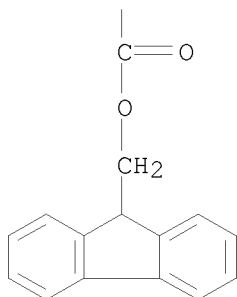
10/560,953



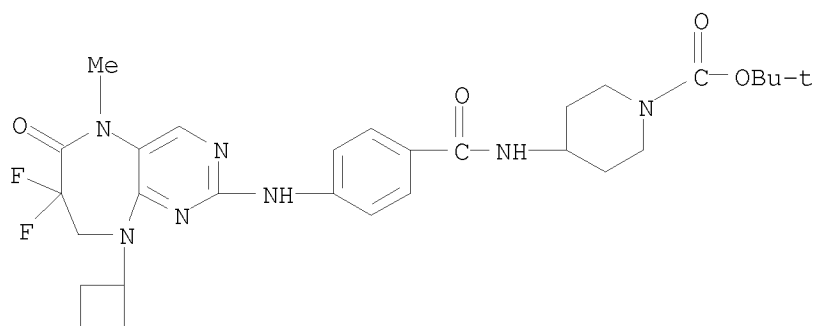
RN 1201693-62-0 CAPLUS  
CN Carbamic acid, N-[1-[4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]-4-piperidinyl]-, 9H-fluoren-9-ylmethyl ester (CA INDEX NAME)

PAGE 1-A



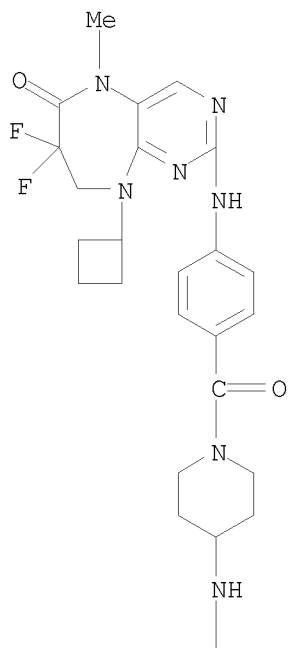


RN 1201693-63-1 CAPLUS  
 CN 1-Piperidinecarboxylic acid, 4-[[4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]benzoyl]amino]-, 1,1-dimethylethyl ester (CA INDEX NAME)

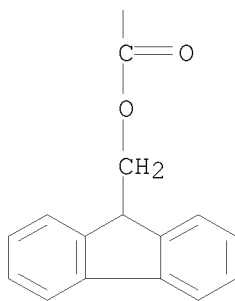


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 CN Carbamic acid, N-[1-[4-[(9-cyclobutyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]benzoyl]-4-piperidinyl]-, 9H-fluoren-9-ylmethyl ester (CA INDEX NAME)

PAGE 1-A



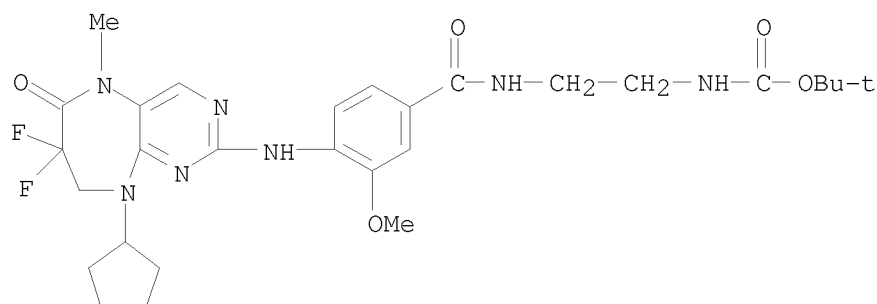
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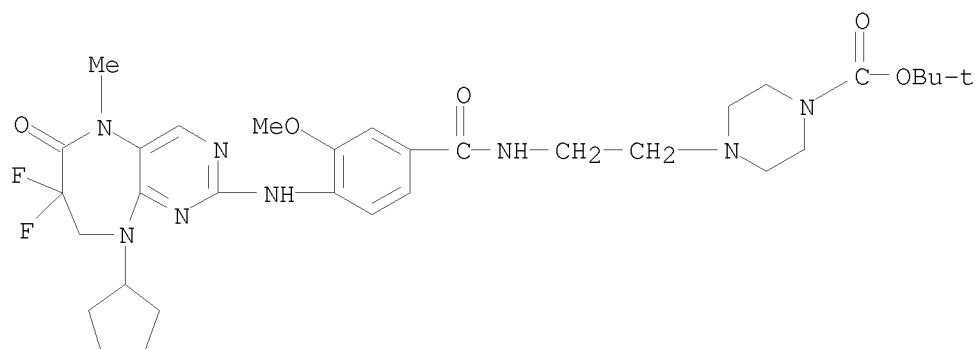
CN Carbamic acid, N-[2-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]ethyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

10/560,953



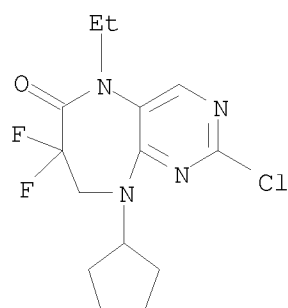
RN 1201693-66-4 CAPLUS

CN 1-Piperazinecarboxylic acid, 4-[2-[[4-[(9-cyclopentyl-7,7-difluoro-6,7,8,9-tetrahydro-5-methyl-6-oxo-5H-pyrimido[4,5-b][1,4]diazepin-2-yl)amino]-3-methoxybenzoyl]amino]ethyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 1201693-70-0 CAPLUS

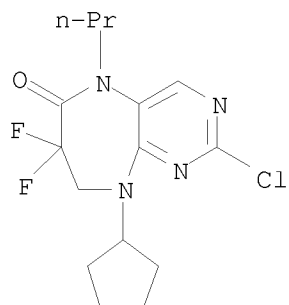
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one, 2-chloro-9-cyclopentyl-5-ethyl-7,7-difluoro-5,7,8,9-tetrahydro- (CA INDEX NAME)



RN 1201693-71-1 CAPLUS

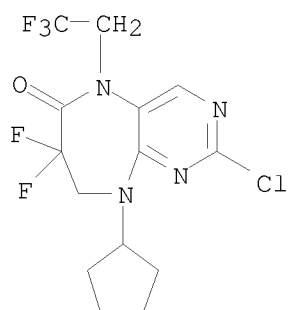
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one, 2-chloro-9-cyclopentyl-5-ethyl-7,7-difluoro-5,7,8,9-tetrahydro- (CA INDEX NAME)

10/560,953



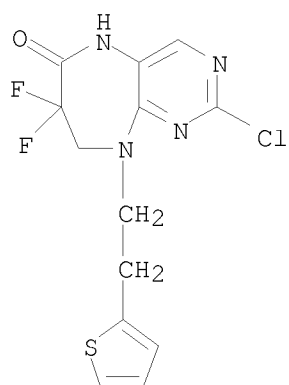
RN 1201693-72-2 CAPLUS

CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-9-cyclopentyl-7,7-difluoro-5-(2,2,2-  
trifluoroethyl)- (CA INDEX NAME)



RN 1201693-74-4 CAPLUS

CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-7,7-difluoro-5,7,8,9-tetrahydro-9-[2-(2-thienyl)ethyl]- (CA  
INDEX NAME)

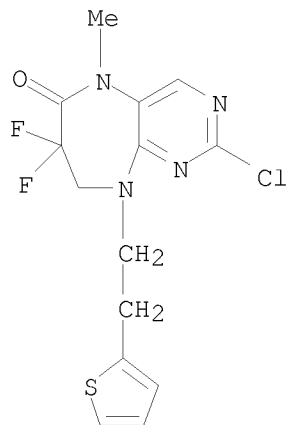


RN 1201693-75-5 CAPLUS

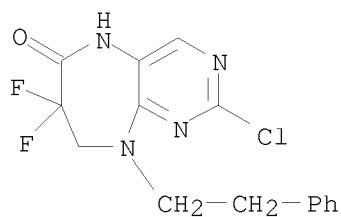


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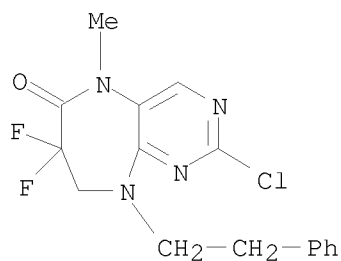
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-7,7-difluoro-5,7,8,9-tetrahydro-5-methyl-9-[2-(2-thienyl)ethyl]-  
(CA INDEX NAME)



RN 1201693-77-7 CAPLUS  
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-7,7-difluoro-5,7,8,9-tetrahydro-9-(2-phenylethyl)- (CA INDEX  
NAME)



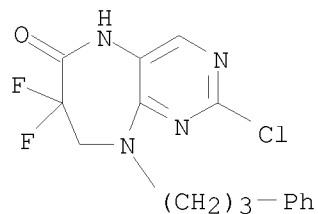
RN 1201693-78-8 CAPLUS  
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-7,7-difluoro-5,7,8,9-tetrahydro-5-methyl-9-(2-phenylethyl)- (CA  
INDEX NAME)



RN 1201693-80-2 CAPLUS  
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,

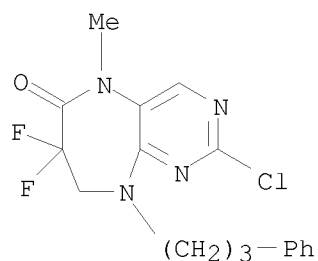
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2-chloro-7,7-difluoro-5,7,8,9-tetrahydro-9-(3-phenylpropyl)- (CA INDEX NAME)



RN 1201693-81-3 CAPLUS

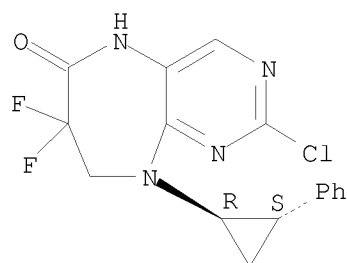
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-7,7-difluoro-5,7,8,9-tetrahydro-5-methyl-9-(3-phenylpropyl)- (CA INDEX NAME)



RN 1201693-83-5 CAPLUS

CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-7,7-difluoro-5,7,8,9-tetrahydro-9-[(1R,2S)-2-phenylcyclopropyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.

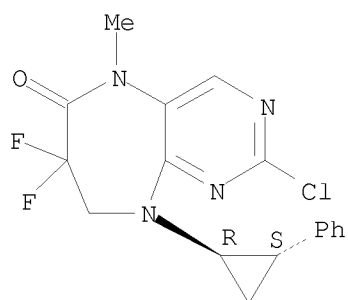


RN 1201693-84-6 CAPLUS

CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-7,7-difluoro-5,7,8,9-tetrahydro-5-methyl-9-[(1R,2S)-2-phenylcyclopropyl]-, rel- (CA INDEX NAME)

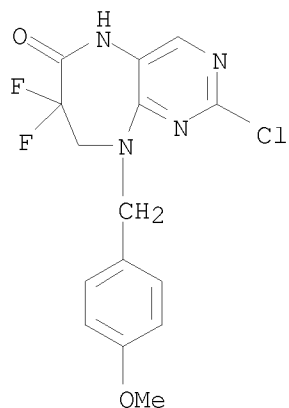
Relative stereochemistry.

10/560,953



RN 1201693-86-8 CAPLUS

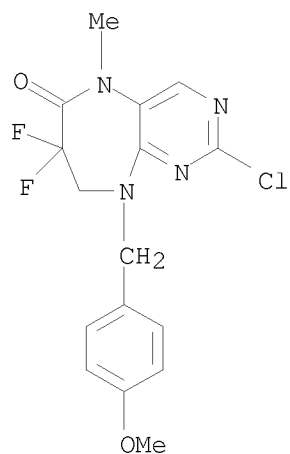
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-7,7-difluoro-5,7,8,9-tetrahydro-9-[(4-methoxyphenyl)methyl]- (CA  
INDEX NAME)



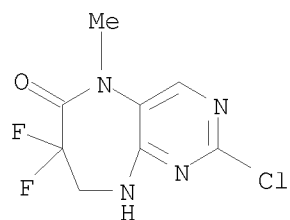
RN 1201693-87-9 CAPLUS

CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-7,7-difluoro-5,7,8,9-tetrahydro-9-[(4-methoxyphenyl)methyl]-5-  
methyl- (CA INDEX NAME)

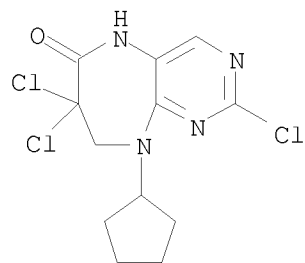
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RN 1201693-88-0 CAPLUS  
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-7,7-difluoro-5,7,8,9-tetrahydro-5-methyl- (CA INDEX NAME)

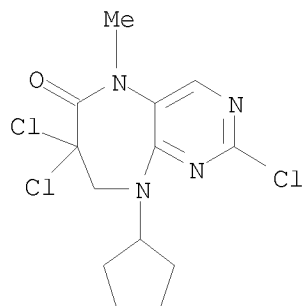


RN 1201693-90-4 CAPLUS  
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2,7,7-trichloro-9-cyclopentyl-5,7,8,9-tetrahydro- (CA INDEX NAME)

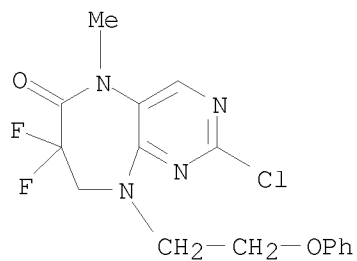


RN 1201693-91-5 CAPLUS  
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2,7,7-trichloro-9-cyclopentyl-5,7,8,9-tetrahydro-5-methyl- (CA INDEX NAME)

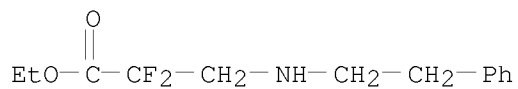
10/560,953



RN 1201693-94-8 CAPLUS  
CN 6H-Pyrimido[4,5-b][1,4]diazepin-6-one,  
2-chloro-7,7-difluoro-5,7,8,9-tetrahydro-5-methyl-9-(2-phenoxyethyl)- (CA  
INDEX NAME)



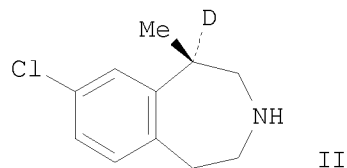
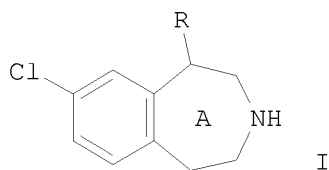
RN 1201693-99-3 CAPLUS  
CN Propanoic acid, 2,2-difluoro-3-[(2-phenylethyl)amino]-, ethyl ester (CA  
INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2010 ACS on STN  
 ACCESSION NUMBER: 2009:490777 CAPLUS  
 DOCUMENT NUMBER: 150:472578  
 TITLE: Preparation of deuterated 3-benzazepine (lorcaserin) derivatives as 5HT2C modulators  
 INVENTOR(S): Liu, Julie F.  
 PATENT ASSIGNEE(S): Concert Pharmaceuticals, Inc., USA  
 SOURCE: PCT Int. Appl., 43pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO 2009051747	A1	20090423	WO 2008-US11804	20081015
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
US 20090143363	A1	20090604	US 2008-288013	20081015
PRIORITY APPLN. INFO.:			US 2007-998960P	P 20071015
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT				
OTHER SOURCE(S):		MARPAT 150:472578		
GI				



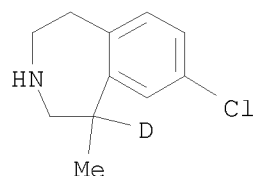
AB Title compds. I [A = ring containing 0-7 D atoms and R = Me, CH<sub>2</sub>D, CD<sub>2</sub>H, or CD<sub>3</sub>, with the provision that when R = Me, ring A contains 1-7 D atoms], and their pharmaceutically acceptable salts, are prepared and disclosed as modulators of 5HT<sub>2C</sub> receptors. For example, compound II was prepared via Friedel-Crafts alkylation of 2-chloro-2-d<sub>1</sub>-N-(2-(4-chlorophenyl)ethyl)propanamide (preparation given) to yield racemic II which was resolved into its (R) enantiomer by reaction with L-(+)-tartaric acid. Bioassays for evaluation of metabolic stability were performed (no data given). The invention is also directed to using I to treat an array of diseases including obesity.

IT 1146440-05-2P 1146440-08-5P 1146440-12-1P  
 1146440-13-2P 1146440-18-7P 1146440-21-2P  
 1146440-23-4P 1146440-24-5P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of deuterated benzazepine derivs. as 5HT<sub>2C</sub> modulators)

RN 1146440-05-2 CAPLUS

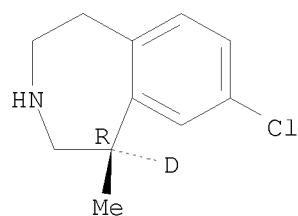
CN 1H-3-Benzazepine-1-d, 8-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 1146440-08-5 CAPLUS

CN 1H-3-Benzazepine-1-d, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX NAME)

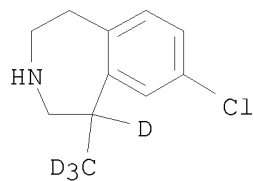
Absolute stereochemistry.



RN 1146440-12-1 CAPLUS

CN 1H-3-Benzazepine-1-d, 8-chloro-2,3,4,5-tetrahydro-1-(methyl-d<sub>3</sub>)- (CA INDEX NAME)

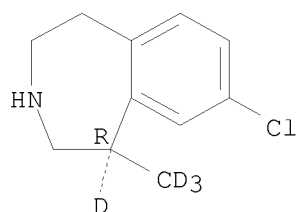
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RN 1146440-13-2 CAPLUS

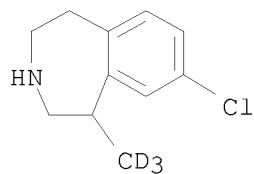
CN 1H-3-Benzazepine-1-d, 8-chloro-2,3,4,5-tetrahydro-1-(methyl-d3)-, (1R)-  
(CA INDEX NAME)

Absolute stereochemistry.



RN 1146440-18-7 CAPLUS

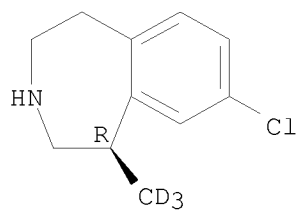
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-(methyl-d3)- (CA INDEX  
NAME)



RN 1146440-21-2 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-(methyl-d3)-, (1R)- (CA  
INDEX NAME)

Absolute stereochemistry.

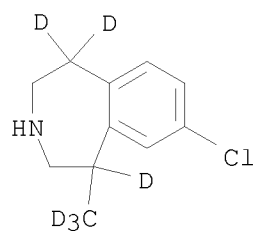


RN 1146440-23-4 CAPLUS

CN 1H-3-Benzazepine-1,1,5-d3, 7-chloro-2,3,4,5-tetrahydro-5-(methyl-d3)- (CA  
INDEX NAME)

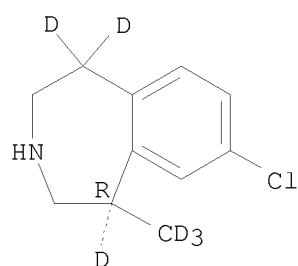


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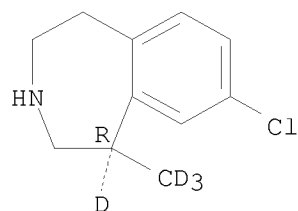
RN 1146440-24-5 CAPLUS  
CN 1H-3-Benzazepine-1,1,5-d3, 7-chloro-2,3,4,5-tetrahydro-5-(methyl-d3)-,  
(5R)- (CA INDEX NAME)

Absolute stereochemistry.



IT 1146440-16-5P 1146440-22-3P 1146440-26-7P  
1146440-27-8P 1146440-28-9P 1146440-31-4P  
1146440-33-6P  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU  
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
(Uses)  
(preparation of deuterated benzazepine derivs. as 5HT2C modulators)  
RN 1146440-16-5 CAPLUS  
CN 1H-3-Benzazepine-1-d, 8-chloro-2,3,4,5-tetrahydro-1-(methyl-d3)-,  
hydrochloride (1:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

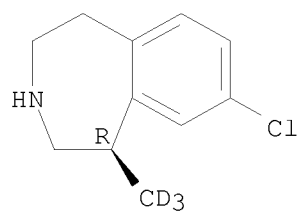


● HCl

RN 1146440-22-3 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-(methyl-d3)-,  
hydrochloride (1:1), (1R)- (CA INDEX NAME)

10/560,953

Absolute stereochemistry.

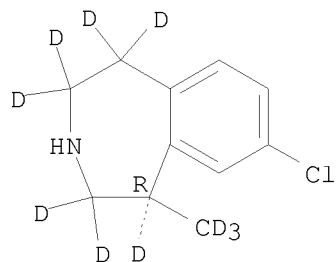


● HCl

RN 1146440-26-7 CAPLUS

CN 1H-3-Benzazepine-1,1,2,4,5-d5, 7-chloro-2,3,4,5-tetrahydro-2,4-d2-5-methyl-d3-, (5R)- (CA INDEX NAME)

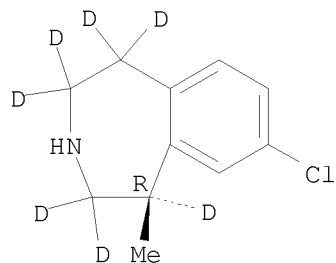
Absolute stereochemistry.



RN 1146440-27-8 CAPLUS

CN 1H-3-Benzazepine-1,1,2,4,5-d5, 7-chloro-2,3,4,5-tetrahydro-2,4-d2-5-methyl-, (5R)- (CA INDEX NAME)

Absolute stereochemistry.

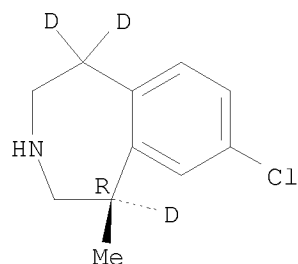


RN 1146440-28-9 CAPLUS

CN 1H-3-Benzazepine-1,1,5-d3, 7-chloro-2,3,4,5-tetrahydro-5-methyl-, (5R)- (CA INDEX NAME)

Absolute stereochemistry.

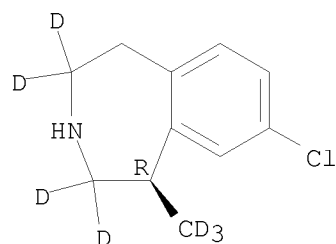
10/560,953



RN 1146440-31-4 CAPLUS

CN 1H-3-Benzazepine-2,4-d2, 8-chloro-2,3,4,5-tetrahydro-2,4-d2-1-(methyl-d3)-, (1R)- (CA INDEX NAME)

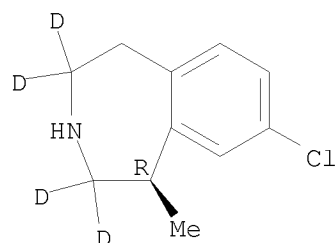
Absolute stereochemistry.



RN 1146440-33-6 CAPLUS

CN 1H-3-Benzazepine-2,4-d2, 8-chloro-2,3,4,5-tetrahydro-2,4-d2-1-methyl-, (1R)- (CA INDEX NAME)

Absolute stereochemistry.



IT 1146440-49-4P 1146440-57-4P 1146440-65-4P  
1146440-68-7P

RL: PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of deuterated benzazepine derivs. as 5HT2C modulators)

RN 1146440-49-4 CAPLUS

CN 1H-3-Benzazepine-1-d, 8-chloro-2,3,4,5-tetrahydro-1-(methyl-d3)-, (1R)-, (2R,3R)-2,3-dihydroxybutanedioate (2:1) (CA INDEX NAME)

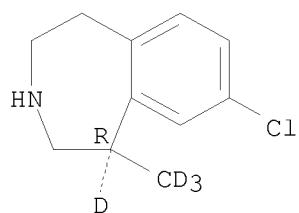
CM 1

CRN 1146440-13-2

10/560,953

CMF C11 H10 Cl D4 N

Absolute stereochemistry.

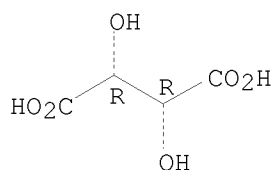


CM 2

CRN 87-69-4

CMF C4 H6 O6

Absolute stereochemistry.



RN 1146440-57-4 CAPLUS

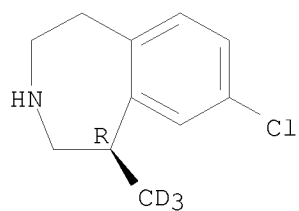
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-(methyl-d3)-, (1R)-, (2R,3R)-2,3-dihydroxybutanedioate (2:1) (CA INDEX NAME)

CM 1

CRN 1146440-21-2

CMF C11 H11 Cl D3 N

Absolute stereochemistry.



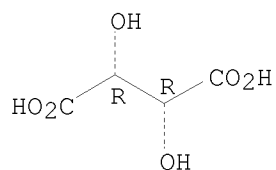
CM 2

CRN 87-69-4

CMF C4 H6 O6

Absolute stereochemistry.

10/560,953

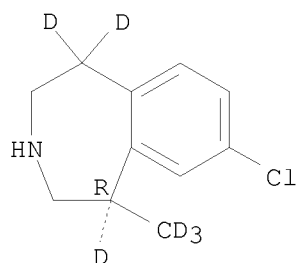


RN 1146440-65-4 CAPLUS  
CN 1H-3-Benzazepine-1,1,5-d3, 7-chloro-2,3,4,5-tetrahydro-5-(methyl-d3)-,  
(5R)-, (2R,3R)-2,3-dihydroxybutanedioate (2:1) (CA INDEX NAME)

CM 1

CRN 1146440-24-5  
CMF C11 H8 Cl D6 N

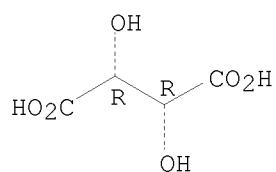
Absolute stereochemistry.



CM 2

CRN 87-69-4  
CMF C4 H6 O6

Absolute stereochemistry.



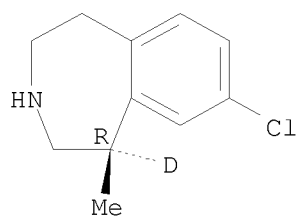
RN 1146440-68-7 CAPLUS  
CN 1H-3-Benzazepine-1-d, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)-,  
(2R,3R)-2,3-dihydroxybutanedioate (2:1) (CA INDEX NAME)

CM 1

CRN 1146440-08-5  
CMF C11 H13 Cl D N

Absolute stereochemistry.

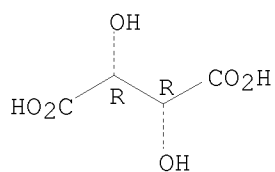
10/560,953



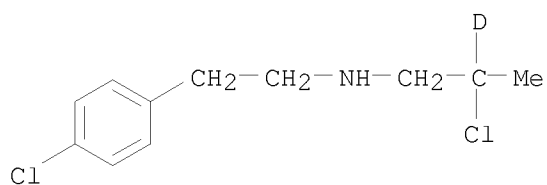
CM 2

CRN 87-69-4  
CMF C4 H6 O6

Absolute stereochemistry.



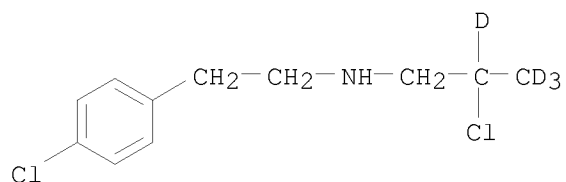
IT 1146440-41-6P 1146440-47-2P 1146440-56-3P  
1146440-64-3P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation of deuterated benzazepine derivs. as 5HT2C modulators)  
RN 1146440-41-6 CAPLUS  
CN Benzeneethanamine, 4-chloro-N-(2-chloropropyl-2-d)-, hydrochloride (1:1)  
(CA INDEX NAME)



● HCl

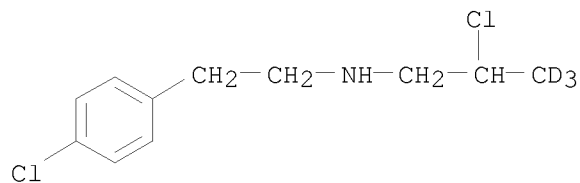
RN 1146440-47-2 CAPLUS  
CN Benzeneethanamine, 4-chloro-N-(2-chloropropyl-2,3,3,3-d4)-, hydrochloride  
(1:1) (CA INDEX NAME)

10/560,953



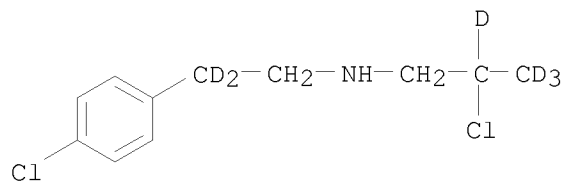
● HCl

RN 1146440-56-3 CAPLUS  
CN Benzeneethanamine, 4-chloro-N-(2-chloropropyl-3,3,3-d3)-, hydrochloride  
(1:1) (CA INDEX NAME)



● HCl

RN 1146440-64-3 CAPLUS  
CN Benzeneethan-β,β-d2-amine,  
4-chloro-N-(2-chloropropyl-2,3,3,3-d4)-, hydrochloride (1:1) (CA INDEX  
NAME)

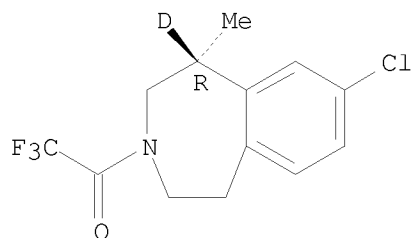


● HCl

IT 1146440-10-9P 1146440-20-1P 1146440-25-6P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of deuterated benzazepine derivs. as 5HT<sub>2C</sub> modulators)  
RN 1146440-10-9 CAPLUS  
CN Ethanone, 1-[(1R)-8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl-1-d]-2,2,2-trifluoro- (CA INDEX NAME)

10/560,953

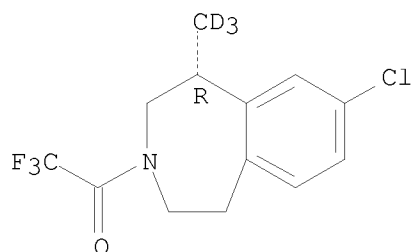
Absolute stereochemistry.



RN 1146440-20-1 CAPLUS

CN Ethanone, 1-[(1R)-8-chloro-1,2,4,5-tetrahydro-1-(methyl-d3)-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

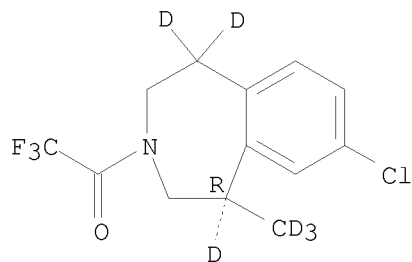
Absolute stereochemistry.



RN 1146440-25-6 CAPLUS

CN Ethanone, 1-[(1R)-8-chloro-1,2,4,5-tetrahydro-5-d-1-(methyl-d3)-3H-3-benzazepin-3-yl]-1,5-d2]-2,2,2-trifluoro- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 3

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



L19 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2008:703346 CAPLUS

DOCUMENT NUMBER: 149:32211

TITLE: Processes for preparing  
(R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1h-3-  
benzazepine intermediates toward serotonin-2C (5-HT2C)  
receptor agonists

INVENTOR(S): Gharbaoui, Tawfik; Tandel, Sagun K.; Ma, You-An;  
Carlos, Marlon; Fritch, John Robert

PATENT ASSIGNEE(S): Arena Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 40 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2008070111	A2	20080612	WO 2007-US24900	20071204
WO 2008070111	A3	20080807		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
CA 2670285	A1	20080612	CA 2007-2670285	20071204
EP 2099743	A2	20090916	EP 2007-867623	20071204
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JP 2010511711	T	20100415	JP 2009-540272	20071204
IN 2009KN01898	A	20090612	IN 2009-KN1898	20090521
CN 101547892	A	20090930	CN 2007-80045133	20090605
PRIORITY APPLN. INFO.:			US 2006-873036P	P 20061205
			WO 2007-US24900	W 20071204

OTHER SOURCE(S): CASREACT 149:32211; MARPAT 149:32211

AB Processes for the preparation of (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepines and their intermediates is presented. Compds. of the present invention are useful as serotonin-2C (5-HT2C) receptor agonists for the treatment of obesity.

IT 616201-80-0P 847063-13-2P 953789-37-2P  
1030624-41-9P 1030624-49-7P

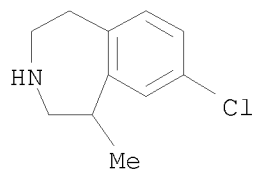
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(processes for preparing (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1h-3-benzazepine intermediates toward serotonin-2C (5-HT2C) receptor agonists)

RN 616201-80-0 CAPLUS

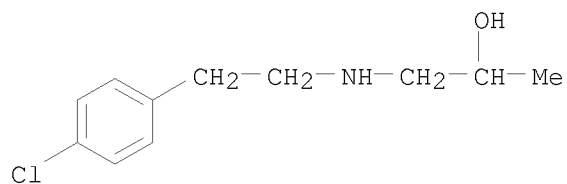
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)

10/560,953



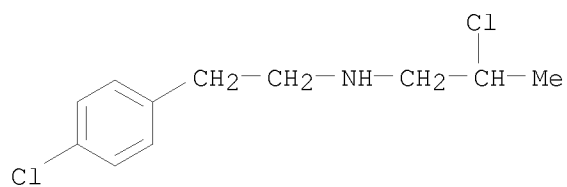
RN 847063-13-2 CAPLUS

CN 2-Propanol, 1-[[2-(4-chlorophenyl)ethyl]amino]- (CA INDEX NAME)



RN 953789-37-2 CAPLUS

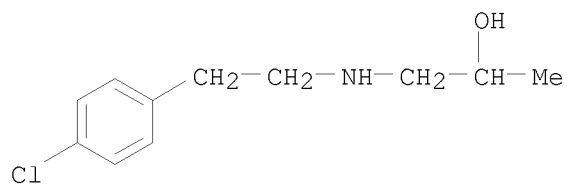
CN Benzeneethanamine, 4-chloro-N-(2-chloropropyl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 1030624-41-9 CAPLUS

CN 2-Propanol, 1-[[2-(4-chlorophenyl)ethyl]amino]-, hydrochloride (1:1) (CA INDEX NAME)

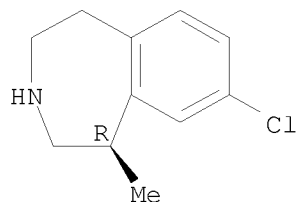


● HCl

10/560,953

RN 1030624-49-7 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrate (2:1),  
(1R)- (CA INDEX NAME)

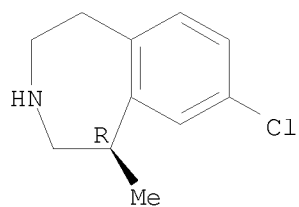
Absolute stereochemistry.



● 1/2 H<sub>2</sub>O

IT 616202-92-7P 824430-78-6P 846589-98-8P,  
(R)-8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine hydrochloride  
856681-05-5P 1030624-46-4P  
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP  
(Preparation)  
(processes for preparing (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1h-3-  
benzazepine intermediates toward serotonin-2C (5-HT<sub>2</sub>C) receptor  
agonists)  
RN 616202-92-7 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX  
NAME)

Absolute stereochemistry.



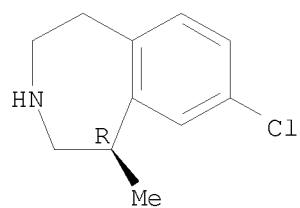
RN 824430-78-6 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)-,  
(2R,3R)-2,3-dihydroxybutanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 616202-92-7  
CMF C11 H14 Cl N

Absolute stereochemistry.

10/560,953

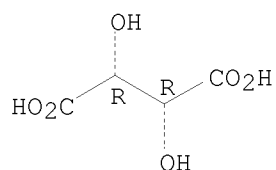


CM 2

CRN 87-69-4

CMF C4 H6 O6

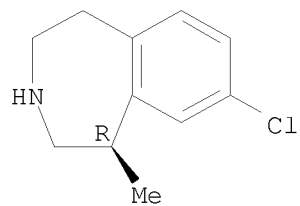
Absolute stereochemistry.



RN 846589-98-8 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride  
(1:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.



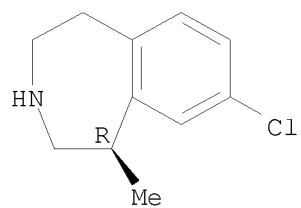
● HCl

RN 856681-05-5 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride,  
hydrate (2:2:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

10/560,953



● HCl

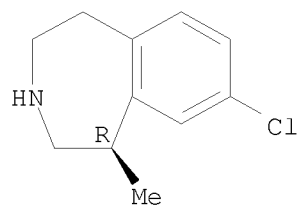
● 1/2 H<sub>2</sub>O

RN 1030624-46-4 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)-,  
(2R,3R)-2,3-dihydroxybutanedioate (1:?) (CA INDEX NAME)

CM 1

CRN 616202-92-7  
CMF C11 H14 Cl N

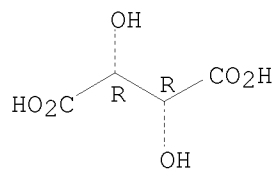
Absolute stereochemistry.



CM 2

CRN 87-69-4  
CMF C4 H6 O6

Absolute stereochemistry.



L19 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2007:1474771 CAPLUS

DOCUMENT NUMBER: 148:239014

TITLE: Discovery and Structure-Activity Relationship of (1R)-8-Chloro-2,3,4,5-tetrahydro-1-methyl-1H-3-benzazepine (Lorcaserin), a Selective Serotonin 5-HT<sub>2C</sub> Receptor Agonist for the Treatment of ObesityAUTHOR(S): Smith, Brian M.; Smith, Jeffrey M.; Tsai, James H.; Schultz, Jeffrey A.; Gilson, Charles A.; Estrada, Scott A.; Chen, Rita R.; Park, Douglas M.; Prieto, Emily B.; Gallardo, Charlemagne S.; Sengupta, Dipanjan; Dosa, Peter I.; Covell, Jon A.; Ren, Albert; Webb, Robert R.; Beeley, Nigel R. A.; Martin, Michael; Morgan, Michael; Espitia, Stephen; Saldana, Hazel R.; Bjenning, Christina; Whelan, Kevin T.; Grottick, Andrew J.; Menzaghi, Frederique; Thomsen, William J. Arena Pharmaceuticals Inc., San Diego, CA, 92121, USA  
JOURNAL OF MEDICINAL CHEMISTRY (2008), 51(2), 305-313  
CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 148:239014

AB The synthesis and SAR of a novel 3-benzazepine series of 5-HT<sub>2C</sub> agonists is described. Lorcaserin (APD356) was identified as one of the more potent and selective compds. in vitro (pEC<sub>50</sub> values in functional assays measuring [<sup>3</sup>H]phosphoinositol turnover: 5-HT<sub>2C</sub> = 8.1; 5-HT<sub>2A</sub> = 6.8; 5-HT<sub>2B</sub> = 6.1) and was potent in an acute in vivo rat food intake model upon oral administration (ED<sub>50</sub> at 6 h = 18 mg/kg). Lorcaserin was further characterized in a single-dose pharmacokinetic study in rat (t<sub>1/2</sub> = 3.7 h; F = 86%) and a 28-day model of weight gain in growing Sprague-Dawley rat (8.5% decrease in weight gain observed at 36 mg/kg b.i.d.). Lorcaserin was selected for further evaluation in clin. trials for the treatment of obesity.

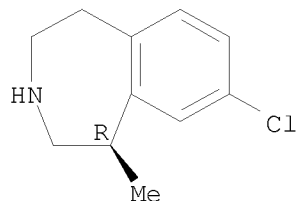
IT 616202-92-7P

RL: PAC (Pharmacological activity); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and structure-activity relationship of (1R)-8-chloro-2,3,4,5-tetrahydro-1-methyl-1H-3-benzazepine (Lorcaserin), a selective serotonin 5-HT<sub>2C</sub> receptor agonist for the treatment of obesity)

RN 616202-92-7 CAPLUS

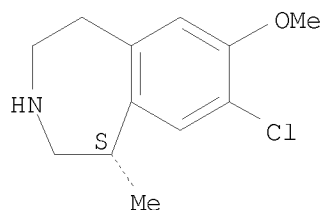
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX NAME)

Absolute stereochemistry.



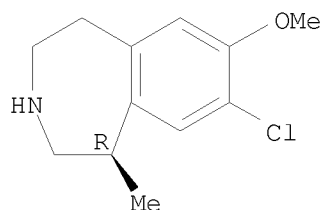
IT 616202-76-7P 616202-87-0P  
 RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (preparation and structure-activity relationship of (1R)-8-chloro-2,3,4,5-tetrahydro-1-methyl-1H-3-benzazepine (Lorcaserin), a selective serotonin 5-HT<sub>2C</sub> receptor agonist for the treatment of obesity)  
 RN 616202-76-7 CAPLUS  
 CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-7-methoxy-1-methyl-, (1S)- (CA INDEX NAME)

Absolute stereochemistry.

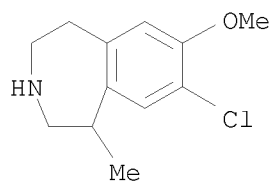


RN 616202-87-0 CAPLUS  
 CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-7-methoxy-1-methyl-, (1R)- (CA INDEX NAME)

Absolute stereochemistry.



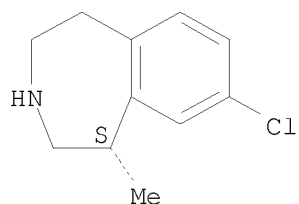
IT 616201-56-0P 616202-81-4P  
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent) (preparation and structure-activity relationship of (1R)-8-chloro-2,3,4,5-tetrahydro-1-methyl-1H-3-benzazepine (Lorcaserin), a selective serotonin 5-HT<sub>2C</sub> receptor agonist for the treatment of obesity)  
 RN 616201-56-0 CAPLUS  
 CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-7-methoxy-1-methyl- (CA INDEX NAME)



10/560,953

RN 616202-81-4 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1S)- (CA INDEX NAME)

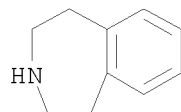
Absolute stereochemistry.



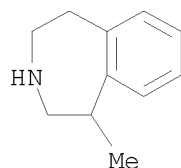
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	616201-89-9P	616201-90-2P	616202-05-2P
	616202-08-5P	616202-84-7P	616202-85-8P
	616202-95-0P	616202-96-1P	824430-66-2P
	824430-68-4P	824430-69-5P	824430-71-9P
	824430-72-0P	824430-74-2P	824430-76-4P
	849663-02-1P	849663-03-2P	849663-07-6P
	1006037-48-4P	1006037-49-5P	1006037-50-8P
	1006037-51-9P		

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
(preparation and structure-activity relationship of  
(1R)-8-chloro-2,3,4,5-tetrahydro-1-methyl-1H-3-benzazepine  
(Lorcaserin), a selective serotonin 5-HT<sub>2C</sub> receptor agonist for the  
treatment of obesity)

RN 4424-20-8 CAPLUS  
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro- (CA INDEX NAME)



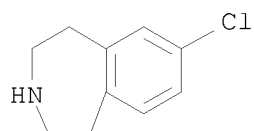
RN 23266-24-2 CAPLUS  
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 25174-38-3 CAPLUS  
CN 1H-3-Benzazepine, 7-chloro-2,3,4,5-tetrahydro- (CA INDEX NAME)

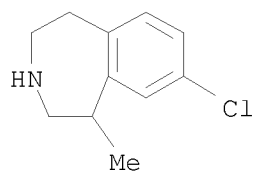


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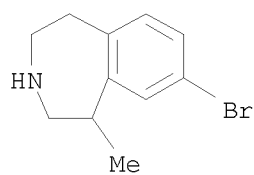
RN 616201-80-0 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



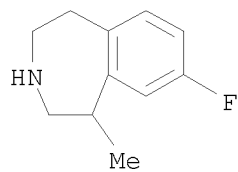
RN 616201-86-6 CAPLUS

CN 1H-3-Benzazepine, 8-bromo-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



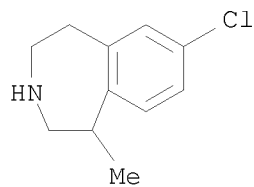
RN 616201-87-7 CAPLUS

CN 1H-3-Benzazepine, 8-fluoro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 616201-89-9 CAPLUS

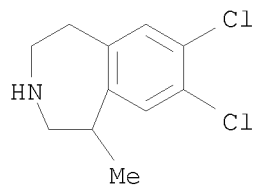
CN 1H-3-Benzazepine, 7-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



10/560,953

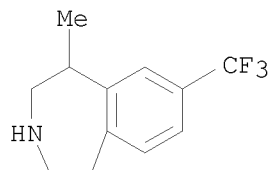
RN 616201-90-2 CAPLUS

CN 1H-3-Benzazepine, 7,8-dichloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



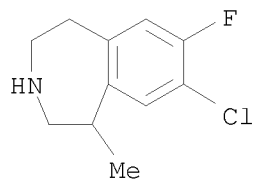
RN 616202-05-2 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(trifluoromethyl)- (CA INDEX NAME)



RN 616202-08-5 CAPLUS

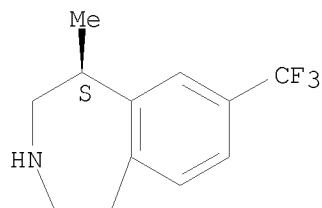
CN 1H-3-Benzazepine, 8-chloro-7-fluoro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 616202-84-7 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(trifluoromethyl)-, (1S)- (CA INDEX NAME)

Absolute stereochemistry.



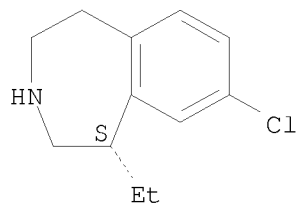
RN 616202-85-8 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-1-ethyl-2,3,4,5-tetrahydro-, (1S)- (CA INDEX NAME)

10/560,953

NAME)

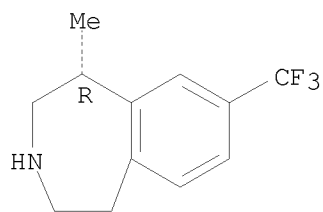
Absolute stereochemistry.



RN 616202-95-0 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(trifluoromethyl)-, (1R)-  
(CA INDEX NAME)

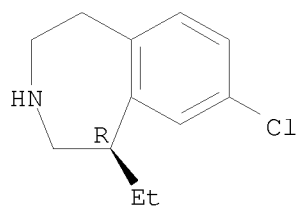
Absolute stereochemistry.



RN 616202-96-1 CAPLUS

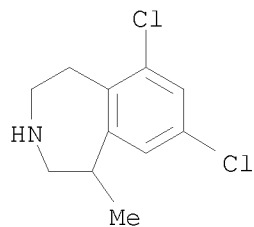
CN 1H-3-Benzazepine, 8-chloro-1-ethyl-2,3,4,5-tetrahydro-, (1R)- (CA INDEX  
NAME)

Absolute stereochemistry.



RN 824430-66-2 CAPLUS

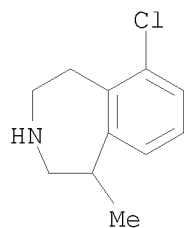
CN 1H-3-Benzazepine, 6,8-dichloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX  
NAME)



10/560,953

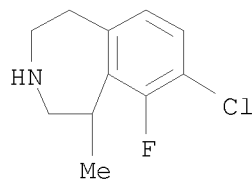
RN 824430-68-4 CAPLUS

CN 1H-3-Benzazepine, 6-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



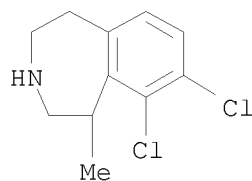
RN 824430-69-5 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-9-fluoro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 824430-71-9 CAPLUS

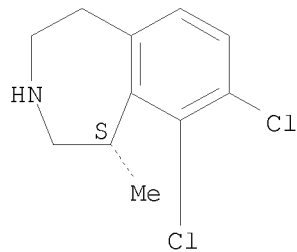
CN 1H-3-Benzazepine, 8,9-dichloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 824430-72-0 CAPLUS

CN 1H-3-Benzazepine, 8,9-dichloro-2,3,4,5-tetrahydro-1-methyl-, (1S)- (CA INDEX NAME)

Absolute stereochemistry.

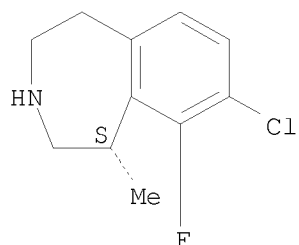


10/560,953

RN 824430-74-2 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-9-fluoro-2,3,4,5-tetrahydro-1-methyl-, (1S)-  
(CA INDEX NAME)

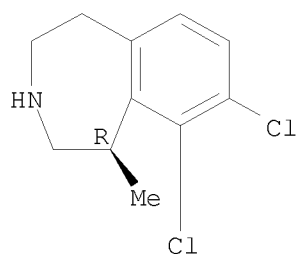
Absolute stereochemistry.



RN 824430-76-4 CAPLUS

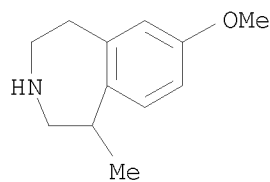
CN 1H-3-Benzazepine, 8,9-dichloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA  
INDEX NAME)

Absolute stereochemistry.



RN 849663-02-1 CAPLUS

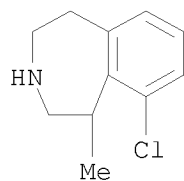
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-methoxy-1-methyl- (CA INDEX NAME)



RN 849663-03-2 CAPLUS

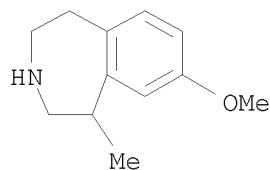
CN 1H-3-Benzazepine, 9-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)

10/560,953



RN 849663-07-6 CAPLUS

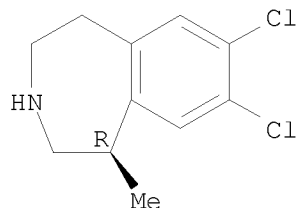
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-8-methoxy-1-methyl- (CA INDEX NAME)



RN 1006037-48-4 CAPLUS

CN 1H-3-Benzazepine, 7,8-dichloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX NAME)

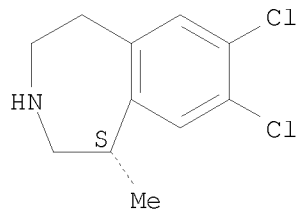
Absolute stereochemistry.



RN 1006037-49-5 CAPLUS

CN 1H-3-Benzazepine, 7,8-dichloro-2,3,4,5-tetrahydro-1-methyl-, (1S)- (CA INDEX NAME)

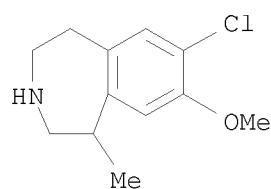
Absolute stereochemistry.



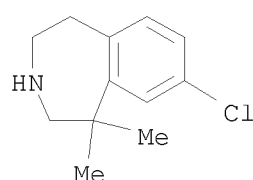
RN 1006037-50-8 CAPLUS

CN 1H-3-Benzazepine, 7-chloro-2,3,4,5-tetrahydro-8-methoxy-1-methyl- (CA INDEX NAME)

10/560,953

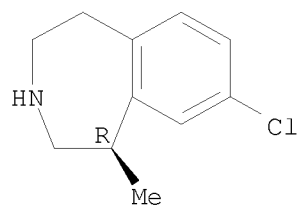


RN 1006037-51-9 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1,1-dimethyl- (CA INDEX NAME)



IT 856681-05-5P  
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(preparation and structure-activity relationship of  
(1R)-8-chloro-2,3,4,5-tetrahydro-1-methyl-1H-3-benzazepine  
(Lorcaserin), a selective serotonin 5-HT<sub>2C</sub> receptor agonist for the  
treatment of obesity)  
RN 856681-05-5 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride,  
hydrate (2:2:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.



● HCl

● 1/2 H<sub>2</sub>O

IT	616202-07-4P	616202-11-0P	616202-50-7P
	616202-51-8P	616202-68-7P	616202-78-9P
	616202-80-3P	616202-89-2P	616202-91-6P
	1006037-52-0P	1006037-53-1P	1006037-54-2P

10/560,953

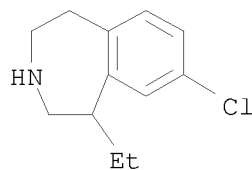
1006037-58-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and structure-activity relationship of (1R)-8-chloro-2,3,4,5-tetrahydro-1-methyl-1H-3-benzazepine (Lorcaserin), a selective serotonin 5-HT<sub>2C</sub> receptor agonist for the treatment of obesity)

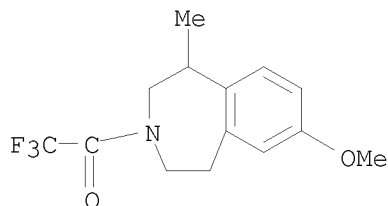
RN 616202-07-4 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-1-ethyl-2,3,4,5-tetrahydro- (CA INDEX NAME)



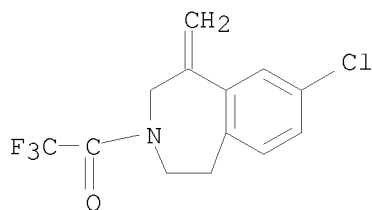
RN 616202-11-0 CAPLUS

CN Ethanone, 2,2,2-trifluoro-1-(1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-benzazepin-3-yl)- (CA INDEX NAME)



RN 616202-50-7 CAPLUS

CN Ethanone, 1-(8-chloro-1,2,4,5-tetrahydro-1-methylene-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)

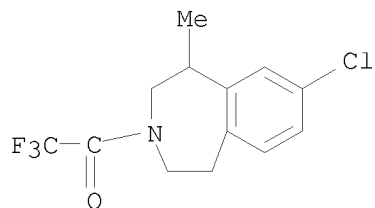


RN 616202-51-8 CAPLUS

CN Ethanone, 1-(8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)

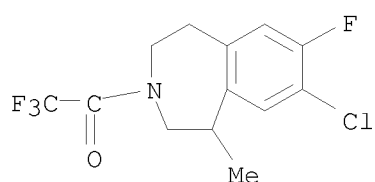


10/560,953



RN 616202-68-7 CAPLUS

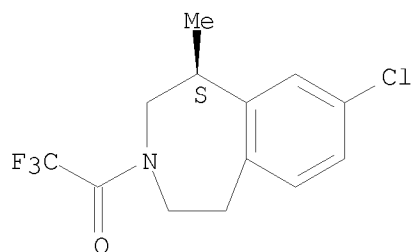
CN Ethanone, 1-(8-chloro-7-fluoro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



RN 616202-78-9 CAPLUS

CN Ethanone, 1-[(1S)-8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

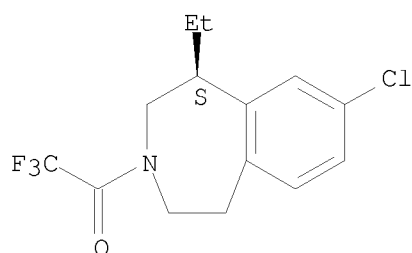
Absolute stereochemistry.



RN 616202-80-3 CAPLUS

CN Ethanone, 1-[(1S)-8-chloro-1-ethyl-1,2,4,5-tetrahydro-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

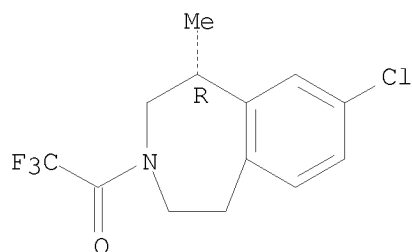
Absolute stereochemistry.



10/560,953

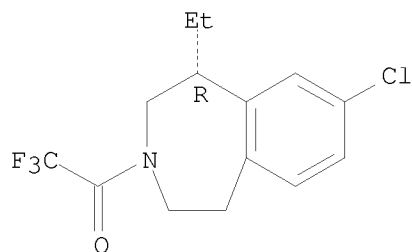
RN 616202-89-2 CAPLUS  
CN Ethanone, 1-[(1R)-8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

Absolute stereochemistry.

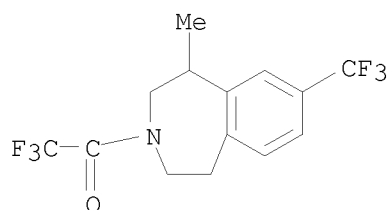


RN 616202-91-6 CAPLUS  
CN Ethanone, 1-[(1R)-8-chloro-1-ethyl-1,2,4,5-tetrahydro-3H-3-benzazepin-3-yl]-2,2,2-trifluoro- (CA INDEX NAME)

Absolute stereochemistry.

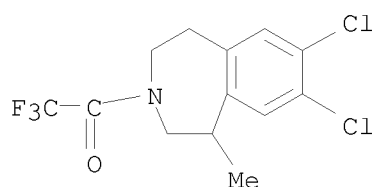


RN 1006037-52-0 CAPLUS  
CN Ethanone, 2,2,2-trifluoro-1-[1,2,4,5-tetrahydro-1-methyl-8-(trifluoromethyl)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)



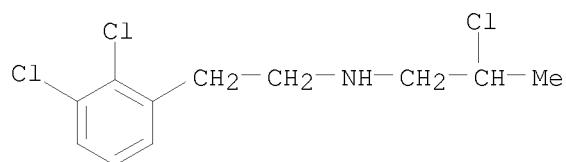
RN 1006037-53-1 CAPLUS  
CN Ethanone, 1-(7,8-dichloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)

10/560,953



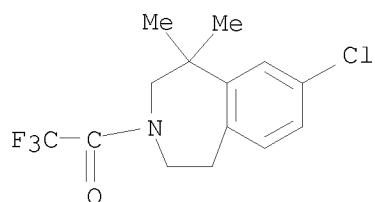
RN 1006037-54-2 CAPLUS

CN Benzeneethanamine, 2,3-dichloro-N-(2-chloropropyl)- (CA INDEX NAME)



RN 1006037-58-6 CAPLUS

CN Ethanone, 1-(8-chloro-1,2,4,5-tetrahydro-1,1-dimethyl-3H-3-benzazepin-3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



IT 846589-98-8P, Lorcaserin hydrochloride 1006037-59-7P

1006037-60-0P 1006037-61-1P 1006037-62-2P

1006037-63-3P 1006037-65-5P 1006037-66-6P

1006037-67-7P 1006037-69-9P 1006037-71-3P

RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and structure-activity relationship of

(1R)-8-chloro-2,3,4,5-tetrahydro-1-methyl-1H-3-benzazepine

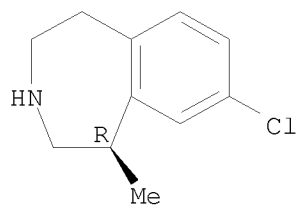
(Lorcaserin), a selective serotonin 5-HT<sub>2C</sub> receptor agonist for the treatment of obesity)

RN 846589-98-8 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

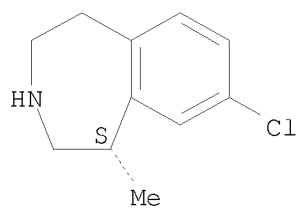
10/560,953



● HCl

RN 1006037-59-7 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride  
(1:1), (1S)- (CA INDEX NAME)

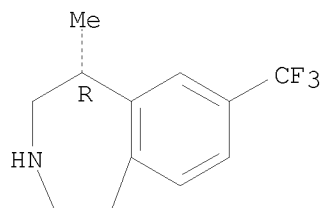
Absolute stereochemistry.



● HCl

RN 1006037-60-0 CAPLUS  
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(trifluoromethyl)-,  
hydrochloride (1:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

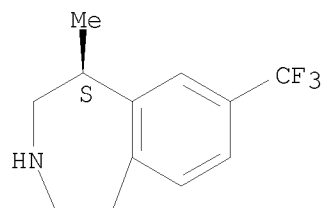


● HCl

RN 1006037-61-1 CAPLUS  
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(trifluoromethyl)-,  
hydrochloride (1:1), (1S)- (CA INDEX NAME)

10/560,953

Absolute stereochemistry.

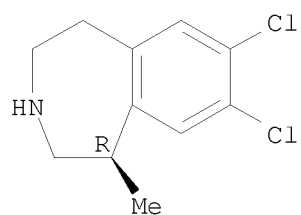


● HCl

RN 1006037-62-2 CAPLUS

CN 1H-3-Benzazepine, 7,8-dichloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride  
(1:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

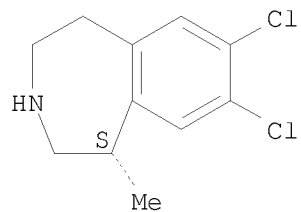


● HCl

RN 1006037-63-3 CAPLUS

CN 1H-3-Benzazepine, 7,8-dichloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride  
(1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.



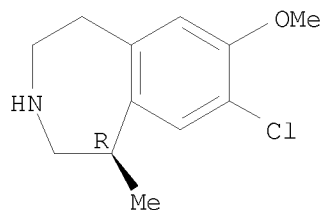
● HCl

RN 1006037-65-5 CAPLUS

10/560,953

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-7-methoxy-1-methyl-,  
hydrochloride (1:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

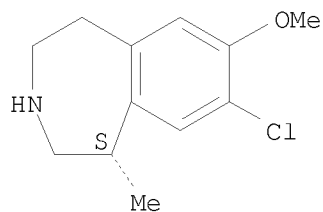


● HCl

RN 1006037-66-6 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-7-methoxy-1-methyl-,  
hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.



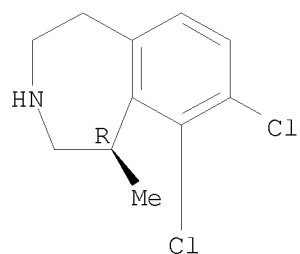
● HCl

RN 1006037-67-7 CAPLUS

CN 1H-3-Benzazepine, 8,9-dichloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride  
(1:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

10/560,953

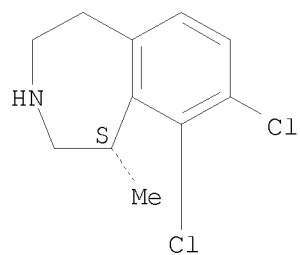


● HCl

RN 1006037-69-9 CAPLUS

CN 1H-3-Benzazepine, 8,9-dichloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.

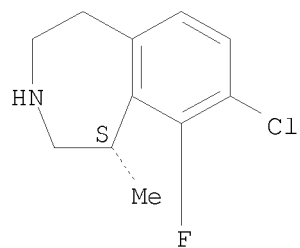


● HCl

RN 1006037-71-3 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-9-fluoro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.



● HCl

10/560,953

OS.CITING REF COUNT:	21	THERE ARE 21 CAPLUS RECORDS THAT CITE THIS RECORD (21 CITINGS)
REFERENCE COUNT:	22	THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT



L19 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2010 ACS on STN  
 ACCESSION NUMBER: 2007:1204827 CAPLUS  
 DOCUMENT NUMBER: 147:486344  
 TITLE: Processes for preparation of  
 8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine  
 and intermediates  
 INVENTOR(S): Weigl, Ulrich; Porstmann, Frank; Straessler,  
 Christoph; Ulmer, Lars; Koetz, Ulf  
 PATENT ASSIGNEE(S): Arena Pharmaceuticals, Inc., USA  
 SOURCE: PCT Int. Appl., 35 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007120517	A2	20071025	WO 2007-US8170	20070402
WO 2007120517	A3	20080619		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
CA 2646044	A1	20071025	CA 2007-2646044	20070402
EP 2001852	A2	20081217	EP 2007-754661	20070402
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS			
JP 2009532470	T	20090910	JP 2009-504248	20070402
IN 2008KN03623	A	20090220	IN 2008-KN3623	20080904
CN 101466684	A	20090624	CN 2007-80010901	20080925
US 20090143576	A1	20090604	US 2009-225966	20090114
PRIORITY APPLN. INFO.:			US 2006-789191P	P 20060403
			WO 2007-US8170	W 20070402

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

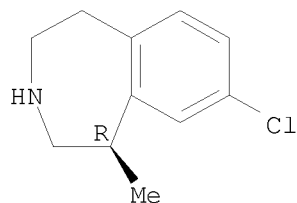
OTHER SOURCE(S): CASREACT 147:486344

AB The present invention provides a process for the preparation of 8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine, salts, hydrates, and crystal forms thereof. For example, 2-(4-chlorophenyl)ethanol was brominated with phosphorous tribromide, followed by addition of 1-amino-2-propanol and reaction with thionyl chloride to give 4-chloro-N-(2-chloropropyl)benzeneethanamine hydrochloride. The intermediate obtained in the previous step was reacted with aluminum chloride in 1,2-dichlorobenzene, followed by optical resolution with L-tartaric acid to give (R)-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine hemitartrate. The compds. are useful serotonin (5-HT) receptor agonists for the treatment of central nervous system disorders, such as obesity.

10/560,953

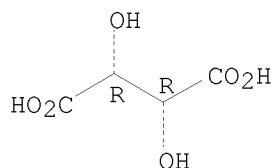
IT 847063-12-1P  
RL: IMF (Industrial manufacture); PUR (Purification or recovery); RCT  
(Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation of 8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine and  
intermediates)  
RN 847063-12-1 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)-,  
(2R,3R)-2,3-dihydroxybutanedioate (2:1) (CA INDEX NAME)  
  
CM 1  
  
CRN 616202-92-7  
CMF C11 H14 Cl N

Absolute stereochemistry.



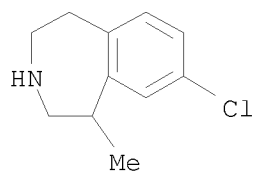
CM 2  
  
CRN 87-69-4  
CMF C4 H6 O6

Absolute stereochemistry.



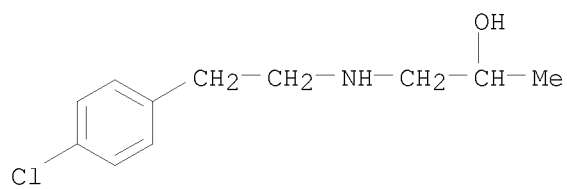
IT 616201-80-0P 847063-13-2P 953789-37-2P  
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic  
preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation of 8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine and  
intermediates)  
RN 616201-80-0 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)

10/560,953



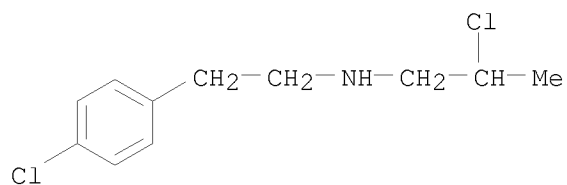
RN 847063-13-2 CAPLUS

CN 2-Propanol, 1-[[2-(4-chlorophenyl)ethyl]amino]- (CA INDEX NAME)



RN 953789-37-2 CAPLUS

CN Benzeneethanamine, 4-chloro-N-(2-chloropropyl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

IT 616202-81-4P 616202-92-7P 846589-98-8P  
856681-05-5P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP  
(Preparation)

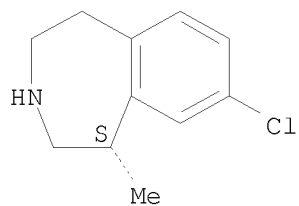
(preparation of 8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine and intermediates)

RN 616202-81-4 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1S)- (CA INDEX NAME)

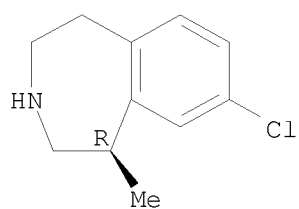
Absolute stereochemistry.

10/560,953



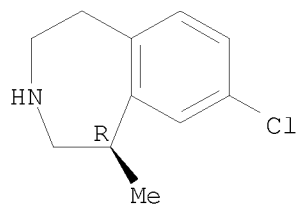
RN 616202-92-7 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 846589-98-8 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

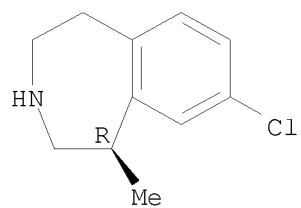


● HCl

RN 856681-05-5 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, hydrochloride, hydrate (2:2:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

10/560,953



● HCl

● 1/2 H<sub>2</sub>O

OS.CITING REF COUNT:

1

THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
(1 CITINGS)

L19 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2007:564968 CAPLUS

DOCUMENT NUMBER: 147:31141

TITLE: Preparation of bicyclic cinnamides as amyloid- $\beta$  production inhibitors

INVENTOR(S): Kimura, Teiji; Kawano, Koki; Doi, Eriko; Kitazawa, Noritaka; Takaishi, Mamoru; Ito, Koichi; Kaneko, Toshihiko; Sasaki, Takeo; Miyagawa, Takehiko; Hagiwara, Hiroaki; Yoshida, Yu

PATENT ASSIGNEE(S): Eisai R&amp;D Management Co., Ltd., Japan

SOURCE: U.S. Pat. Appl. Publ., 148pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20070117839	A1	20070524	US 2006-594150	20061108
AU 2006317468	A1	20070531	AU 2006-317468	20061101
CA 2629512	A1	20070531	CA 2006-2629512	20061101
WO 2007060821	A1	20070531	WO 2006-JP321877	20061101
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
EP 1953158	A1	20080806	EP 2006-822806	20061101
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS				
ZA 2008004446	A	20091230	ZA 2008-4446	20061101
AR 57915	A1	20071226	AR 2006-105075	20061120
IN 2008DN04111	A	20080801	IN 2008-DN4111	20080514
MX 2008006495	A	20080528	MX 2008-6495	20080520
CN 101312972	A	20081126	CN 2006-80043648	20080522
NO 2008002805	A	20080820	NO 2008-2805	20080619
KR 2008072057	A	20080805	KR 2008-714992	20080620
US 20090181945	A1	20090716	US 2009-403565	20090313
PRIORITY APPLN. INFO.:				
			JP 2005-337963	A 20051124
			JP 2006-205538	A 20060728
			US 2006-833768P	P 20060728
			WO 2006-JP321877	W 20061101

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

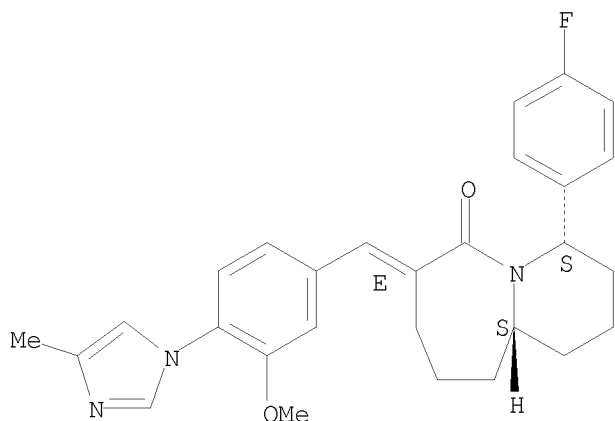
OTHER SOURCE(S): MARPAT 147:31141

GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

- AB Title compds. I [the solid line accompanied by dotted line represents a single or a double bond; Ar1 = Ph, pyridinyl (wherein Ph or pyridinyl may be substituted with substituents selected from halo, hydroxy, cyano, etc.); R1, R2 = halo, hydroxy, cyano, etc.; Z1 = methylene, vinylene, oxygen, etc. (wherein methylene or vinylene may be substituted with substituents selected from halo, hydroxy, cyano, etc.); p, q and r = 0-2] or pharmaceutically acceptable salts thereof were prepared For example, iodination of (3S,8aS)-3-(4-chlorophenyl)hexahydroindolizin-5-one, e.g., prepared from (R)-5-oxopyrrolidine-1,2-dicarboxylic acid 1-tert-Bu 2-Et diester in 12 steps, followed by reaction with tri-Et phosphite and treatment with LiOH afforded compound II. In A $\beta$ 42 production-inhibition assays, compound II exhibited the IC50 of 55 nM. Compds. I are claimed useful for the treatment of Alzheimer's disease, senile dementia, etc.
- IT 937813-83-7P  
 RL: PAC (Pharmacological activity); PEP (Physical, engineering or chemical process); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)  
 (preparation of bicyclic cinnamides as amyloid- $\beta$  production inhibitors)
- RN 937813-83-7 CAPLUS
- CN Pyrido[1,2-a]azepin-6(2H)-one, 4-(4-fluorophenyl)octahydro-7-[[3-methoxy-4-(4-methyl-1H-imidazol-1-yl)phenyl]methylene]-, (4R,7E,10aR)-rel- (CA INDEX NAME)

Relative stereochemistry.  
 Double bond geometry as shown.

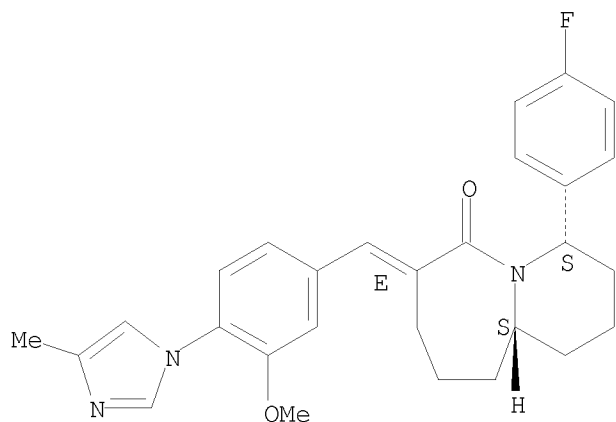


- IT 937812-27-6P 937812-28-7P  
 RL: PAC (Pharmacological activity); PUR (Purification or recovery); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of bicyclic cinnamides as amyloid- $\beta$  production inhibitors)
- RN 937812-27-6 CAPLUS
- CN Pyrido[1,2-a]azepin-6(2H)-one, 4-(4-fluorophenyl)octahydro-7-[[3-methoxy-4-(4-methyl-1H-imidazol-1-yl)phenyl]methylene]-, (4S,7E,10aS)- (CA INDEX NAME)

Absolute stereochemistry.

10/560,953

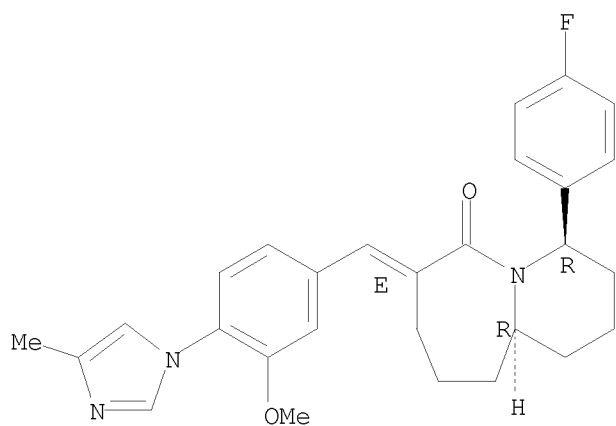
Double bond geometry as shown.



RN 937812-28-7 CAPLUS

CN Pyrido[1,2-a]azepin-6(2H)-one, 4-(4-fluorophenyl)octahydro-7-[[3-methoxy-4-(4-methyl-1H-imidazol-1-yl)phenyl]methylene]-, (4R,7E,10aR)- (CA INDEX NAME)

Absolute stereochemistry.  
Double bond geometry as shown.



IT 937813-79-1P 937813-80-4P 937813-81-5P

937813-82-6P 937816-62-1P 937816-63-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of bicyclic cinnamides as amyloid- $\beta$  production inhibitors)

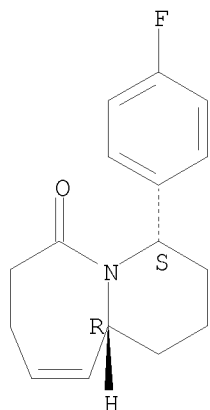
RN 937813-79-1 CAPLUS

CN Pyrido[1,2-a]azepin-6(2H)-one, 4-(4-fluorophenyl)-1,3,4,7,8,10a-hexahydro-, (4R,10aS)-rel- (CA INDEX NAME)

Relative stereochemistry.



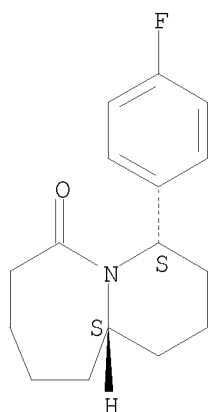
10/560,953



RN 937813-80-4 CAPLUS

CN Pyrido[1,2-a]azepin-6(2H)-one, 4-(4-fluorophenyl)octahydro-,  
(4R,10aR)-rel- (CA INDEX NAME)

Relative stereochemistry.

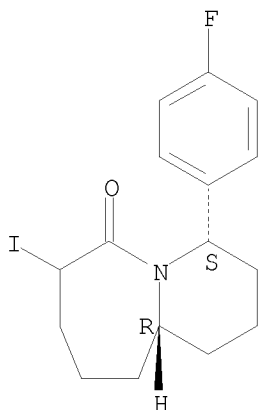


RN 937813-81-5 CAPLUS

CN Pyrido[1,2-a]azepin-6(2H)-one, 4-(4-fluorophenyl)octahydro-7-iodo-,  
(4R,10aS)-rel- (CA INDEX NAME)

Relative stereochemistry.

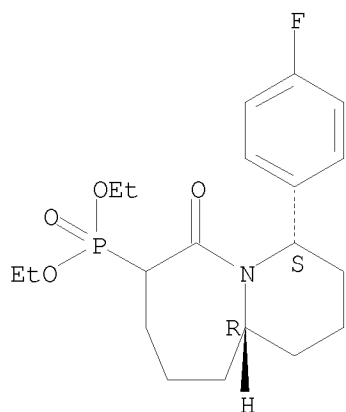
10/560,953



RN 937813-82-6 CAPLUS

CN Phosphonic acid, P-[(4R,10aS)-4-(4-fluorophenyl)decahydro-6-oxopyrido[1,2-a]azepin-7-yl]-, diethyl ester, rel- (CA INDEX NAME)

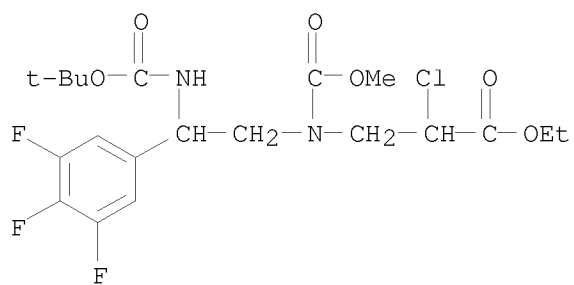
Relative stereochemistry.



RN 937816-62-1 CAPLUS

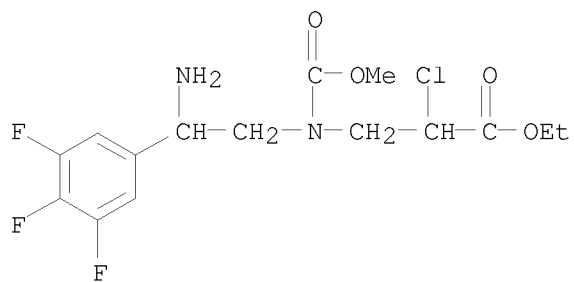
CN Propanoic acid, 2-chloro-3-[[2-[[[(1,1-dimethylethoxy)carbonyl]amino]-2-(3,4,5-trifluorophenyl)ethyl](methoxycarbonyl)amino]-, ethyl ester (CA INDEX NAME)

10/560,953



RN 937816-63-2 CAPLUS

CN Propanoic acid, 3-[[2-amino-2-(3,4,5-trifluorophenyl)ethyl] (methoxycarbonyl)amino]-2-chloro-, ethyl ester (CA INDEX NAME)



OS.CITING REF COUNT: 5 THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (8 CITINGS)

L19 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2005:409482 CAPLUS

DOCUMENT NUMBER: 142:463621

TITLE: Benzazepine derivatives, their preparation and use for prophylaxis or treatment of 5HT2C receptor-associated diseases

INVENTOR(S): Smith, Brian; Schultz, Jeffrey; Gilson, Charles, III; Estrada, Scott

PATENT ASSIGNEE(S): Arena Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 59 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

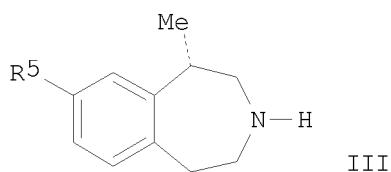
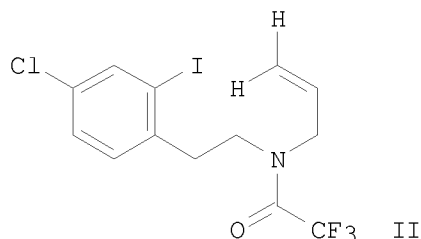
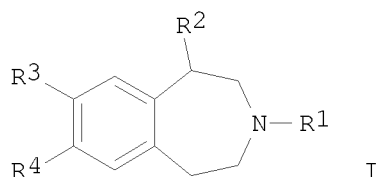
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005042490	A1	20050512	WO 2004-US34914	20041021
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 20070275949	A1	20071129	US 2006-573196	20060420
PRIORITY APPLN. INFO.:			US 2003-513894P	P 20031022
			WO 2004-US34914	W 20041021

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): CASREACT 142:463621; MARPAT 142:463621

GI



AB The invention relates to substituted 2,3,4,5-tetrahydro-3-benzazepine derivs. I, that are modulators of the 5HT<sub>2C</sub> receptor. In compds. I, R<sub>1</sub> is H or C1-8 alkyl; R<sub>2</sub> is C1-8 alkyl; R<sub>3</sub> is H, aryl, arylalkyloxy, arylalkylamino, arylamino, or heteroaryl, where the N is optionally substituted and where the aryl is optionally substituted with up to two substituents selected from C1-8 alkyl, halo, perhaloalkyl, and alkoxy; R<sub>4</sub> is H, arylalkyloxy, alkoxy, or aryloxy; provided that at least one of R<sub>3</sub> and R<sub>4</sub> is other than H, etc. The invention also relates to the preparation of I, pharmaceutical compns. containing I and a pharmaceutically acceptable carrier, as well as to the use of the compns. for the treatment of disorders involving 5HT<sub>2C</sub> receptors. N-Protection of 4-chlorophenethylamine as the trifluoroacetamide followed by iodination and N-allylation resulted in the formation of II. II underwent intramol. Heck reaction followed by hydrogenation, separation of enantiomers, and deprotection to give III [R<sub>5</sub> = Cl; (S)-enantiomer shown], which, upon N-Boc-protection, substitution with benzylamine, and deprotection, produced III (R<sub>5</sub> = NHCH<sub>2</sub>Ph) as the hydrochloride. Several compds. were tested for 5HT<sub>2C</sub> agonist activity, with 12 of those having IC<sub>50</sub> values between 1 nM and 1.3  $\mu$ M and several others below 10  $\mu$ M. Some compds. of the invention have 3-10 times greater 5HT<sub>2C</sub> agonist activity than 5HT<sub>2B</sub> agonist activity.

IT 851478-28-9P, (S)-7-Benzyloxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-34-8P  
 851544-39-3P 851544-41-7P 851544-44-0P  
 851544-47-3P 851544-49-5P 851544-51-9P  
 851544-53-1P, 8-Benzyloxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-60-0P,  
 (S)-1-Methyl-8-phenyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride  
 851544-64-4P, 1-Methyl-7-(1-phenylethoxy)-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-66-6P,  
 1-Methyl-7-phenethyloxy-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-67-7P,  
 1-Methyl-7-(3-phenylpropoxy)-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-68-8P,  
 8-Benzyloxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine

851544-73-5P, (R)-1-Methyl-8-phenyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-75-7P,  
 7-Methoxy-1-methyl-8-phenyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-77-9P,  
 (S)-8-(2-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-78-0P,  
 (S)-8-(3-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-79-1P,  
 (S)-8-(4-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-80-4P,  
 (S)-8-(2,6-Difluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-81-5P,  
 (R)-8-(3-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-82-6P,  
 (R)-8-(4-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-83-7P,  
 (R)-8-(2,3-Difluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-84-8P,  
 (S)-8-(2,5-Difluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-85-9P,  
 (R)-1-Methyl-8-pyridin-3-yl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-86-0P,  
 1-Methyl-8-pyridin-2-yl-2,3,4,5-tetrahydro-1H-benzo[d]azepine hydrochloride 851544-89-3P,  
 7-Benzyloxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851544-90-6P, 1-Methyl-7-(1-phenylethoxy)-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851544-91-7P,  
 1-Methyl-7-phenethyloxy-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851544-92-8P, 1-Methyl-7-(3-phenylpropoxy)-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851544-93-9P,  
 Benzyl[5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]amine 851544-94-0P, [5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl](1'-phenylethyl)amine 851544-95-1P,  
 N-Benzyl-N-methyl[5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]amine 851544-96-2P, N-[5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]phenethylamine 851544-97-3P,  
 N-[5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl](3-phenylpropyl)amine 851544-98-4P,  
 N-[5-Methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-yl]phenylamine 851544-99-5P, 1-Methyl-8-phenyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-00-1P,  
 7-Methoxy-1-methyl-8-phenyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-01-2P, 8-(2-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-02-3P,  
 8-(3-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-03-4P, 8-(4-Fluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-04-5P,  
 8-(2,6-Difluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-05-6P, 8-(2,3-Difluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-06-7P,  
 8-(2,5-Difluorophenyl)-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-07-8P, 1-Methyl-8-pyridin-3-yl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851545-08-9P,  
 1-Methyl-8-pyridin-2-yl-2,3,4,5-tetrahydro-1H-benzo[d]azepine  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

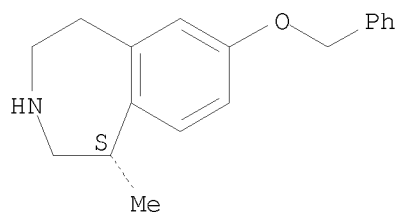
10/560,953

(drug candidate; preparation of benzazepine derivs. and use as 5HT<sub>2C</sub> receptor agonists)

RN 851478-28-9 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(phenylmethoxy)-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.

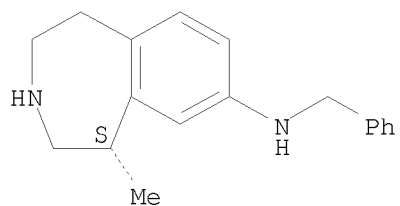


● HCl

RN 851544-34-8 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-(phenylmethyl)-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.



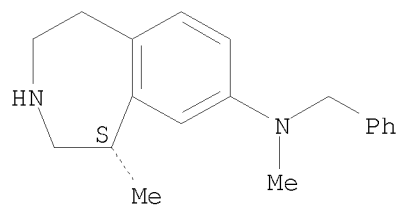
● HCl

RN 851544-39-3 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-N,5-dimethyl-N-(phenylmethyl)-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

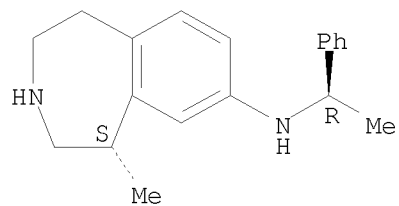
10/560,953



● HCl

RN 851544-41-7 CAPLUS  
CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-[(1R)-1-phenylethyl]-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

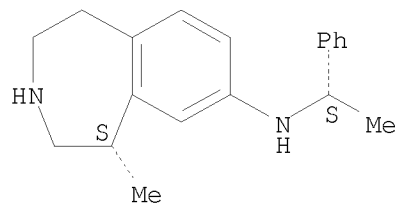
Absolute stereochemistry.



● HCl

RN 851544-44-0 CAPLUS  
CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-[(1S)-1-phenylethyl]-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.



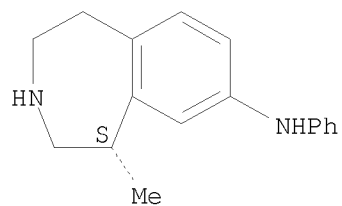
● HCl

RN 851544-47-3 CAPLUS  
CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-phenyl-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

Absolute stereochemistry.

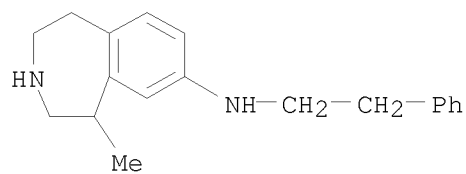


10/560,953



● HCl

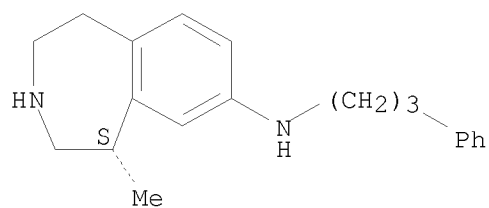
RN 851544-49-5 CAPLUS  
CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-(2-phenylethyl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 851544-51-9 CAPLUS  
CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-(3-phenylpropyl)-, hydrochloride (1:1), (5S)- (CA INDEX NAME)

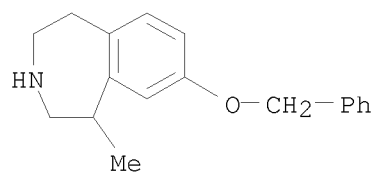
Absolute stereochemistry.



● HCl

RN 851544-53-1 CAPLUS  
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(phenylmethoxy)-, hydrochloride (1:1) (CA INDEX NAME)

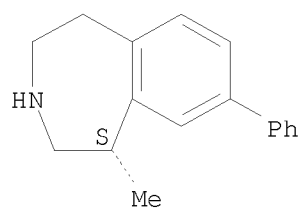
10/560,953



● HCl

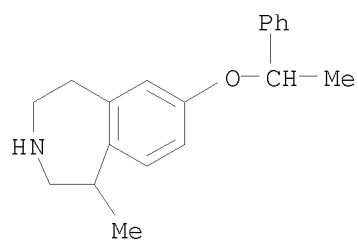
RN 851544-60-0 CAPLUS  
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-phenyl-, hydrochloride  
(1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.



● HCl

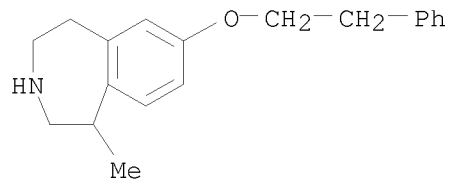
RN 851544-64-4 CAPLUS  
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(1-phenylethoxy)-,  
hydrochloride (1:1) (CA INDEX NAME)



● HCl

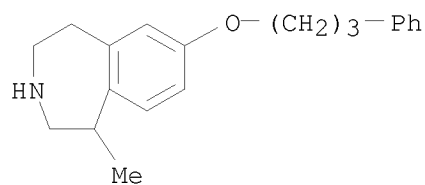
RN 851544-66-6 CAPLUS  
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(2-phenylethoxy)-,  
hydrochloride (1:1) (CA INDEX NAME)

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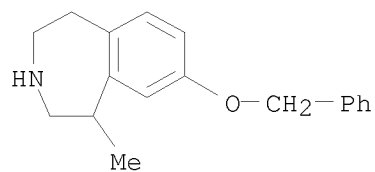
● HCl

RN 851544-67-7 CAPLUS  
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(3-phenylpropoxy)-,  
hydrochloride (1:1) (CA INDEX NAME)



● HCl

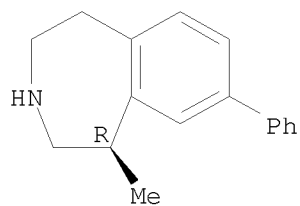
RN 851544-68-8 CAPLUS  
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(phenylmethoxy)- (CA  
INDEX NAME)



RN 851544-73-5 CAPLUS  
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-phenyl-, hydrochloride  
(1:1), (1R)- (CA INDEX NAME)

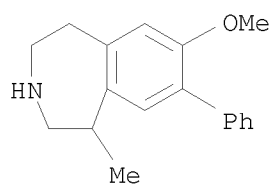
Absolute stereochemistry.

10/560,953



● HCl

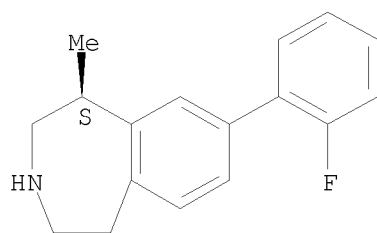
RN 851544-75-7 CAPLUS  
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-methoxy-1-methyl-8-phenyl-,  
hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 851544-77-9 CAPLUS  
CN 1H-3-Benzazepine, 8-(2-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl-,  
hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.

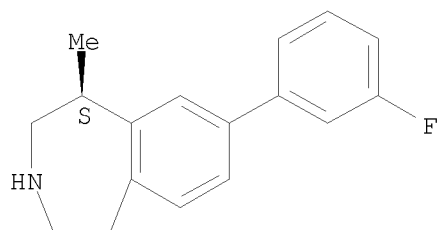


● HCl

RN 851544-78-0 CAPLUS  
CN 1H-3-Benzazepine, 8-(3-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl-,  
hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.

10/560,953

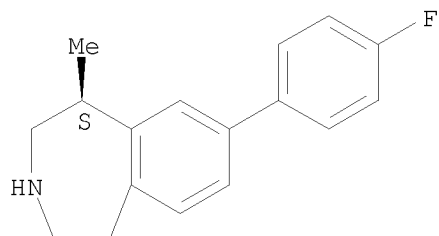


● HCl

RN 851544-79-1 CAPLUS

CN 1H-3-Benzazepine, 8-(4-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.

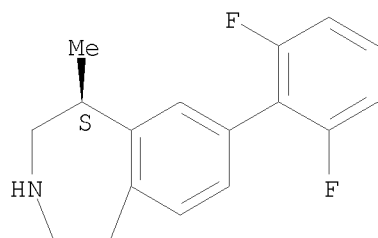


● HCl

RN 851544-80-4 CAPLUS

CN 1H-3-Benzazepine, 8-(2,6-difluorophenyl)-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.

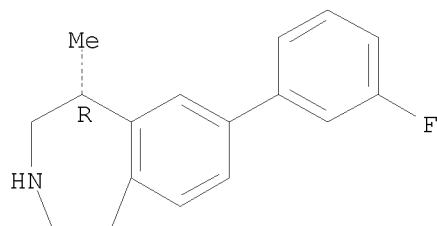


● HCl

10/560,953

RN 851544-81-5 CAPLUS  
CN 1H-3-Benzazepine, 8-(3-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl-,  
hydrochloride (1:1), (1R)- (CA INDEX NAME)

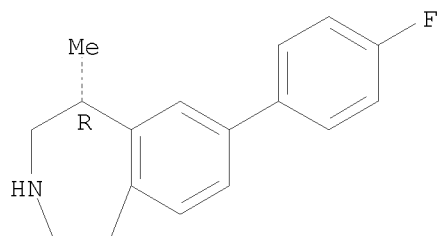
Absolute stereochemistry.



● HCl

RN 851544-82-6 CAPLUS  
CN 1H-3-Benzazepine, 8-(4-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl-,  
hydrochloride (1:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

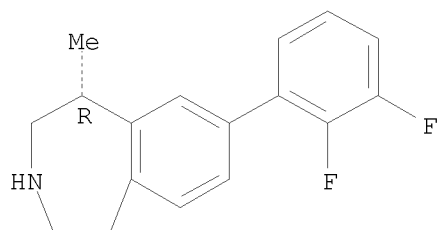


● HCl

RN 851544-83-7 CAPLUS  
CN 1H-3-Benzazepine, 8-(2,3-difluorophenyl)-2,3,4,5-tetrahydro-1-methyl-,  
hydrochloride (1:1), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

10/560,953

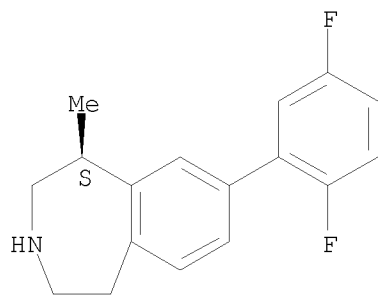


● HCl

RN 851544-84-8 CAPLUS

CN 1H-3-Benzazepine, 8-(2,5-difluorophenyl)-2,3,4,5-tetrahydro-1-methyl-, hydrochloride (1:1), (1S)- (CA INDEX NAME)

Absolute stereochemistry.



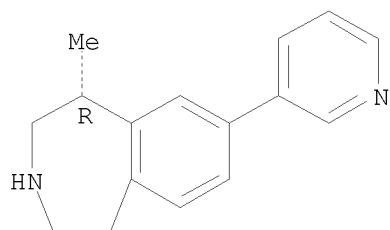
● HCl

RN 851544-85-9 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(3-pyridinyl)-, hydrochloride (1:?), (1R)- (CA INDEX NAME)

Absolute stereochemistry.

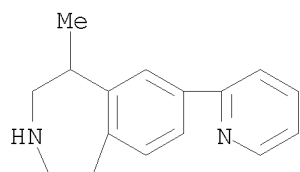
10/560,953



●x HCl

RN 851544-86-0 CAPLUS

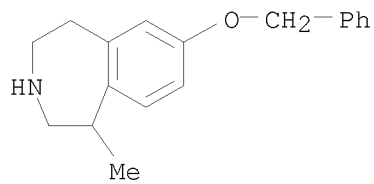
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(2-pyridinyl)-, hydrochloride (1:?) (CA INDEX NAME)



●x HCl

RN 851544-89-3 CAPLUS

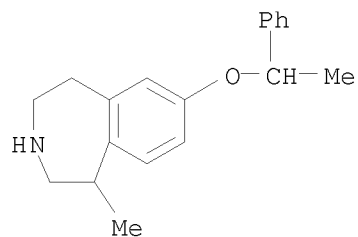
CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(phenylmethoxy)- (CA INDEX NAME)



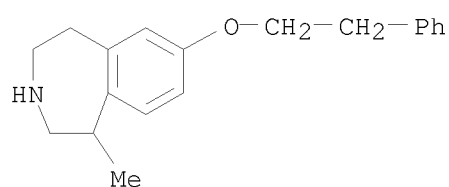
RN 851544-90-6 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(1-phenylethoxy)- (CA INDEX NAME)

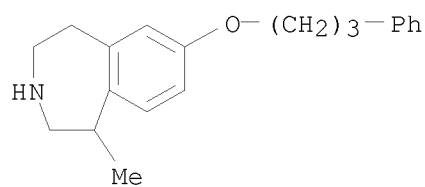




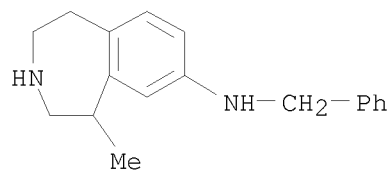
RN 851544-91-7 CAPLUS  
 CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(2-phenylethoxy)- (CA INDEX NAME)



RN 851544-92-8 CAPLUS  
 CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-7-(3-phenylpropoxy)- (CA INDEX NAME)

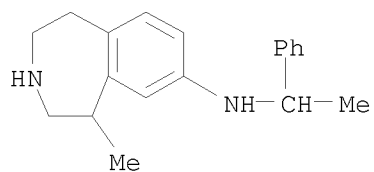


RN 851544-93-9 CAPLUS  
 CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-(phenylmethyl)- (CA INDEX NAME)



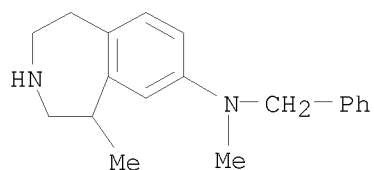
RN 851544-94-0 CAPLUS  
 CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-(1-phenylethyl)- (CA INDEX NAME)

10/560,953



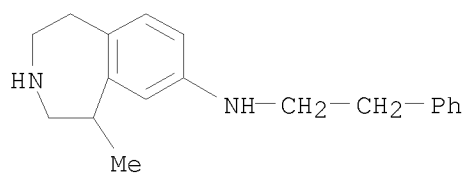
RN 851544-95-1 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-N,5-dimethyl-N-(phenylmethyl)-  
(CA INDEX NAME)



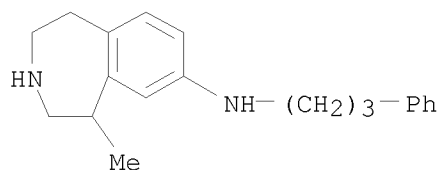
RN 851544-96-2 CAPLUS

CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-(2-phenylethyl)-  
(CA INDEX NAME)



RN 851544-97-3 CAPLUS

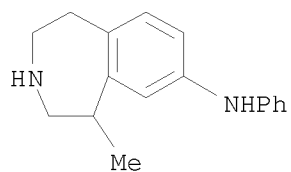
CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-(3-phenylpropyl)-  
(CA INDEX NAME)



RN 851544-98-4 CAPLUS

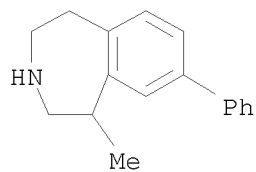
CN 1H-3-Benzazepin-7-amine, 2,3,4,5-tetrahydro-5-methyl-N-phenyl- (CA INDEX  
NAME)

10/560,953



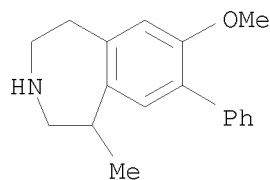
RN 851544-99-5 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-phenyl- (CA INDEX NAME)



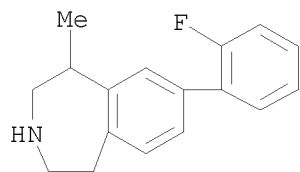
RN 851545-00-1 CAPLUS

CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-7-methoxy-1-methyl-8-phenyl- (CA INDEX NAME)



RN 851545-01-2 CAPLUS

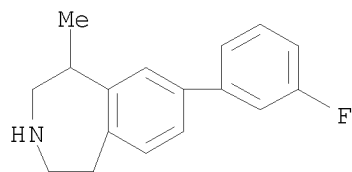
CN 1H-3-Benzazepine, 8-(2-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 851545-02-3 CAPLUS

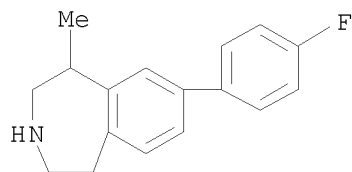
CN 1H-3-Benzazepine, 8-(3-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)

10/560,953



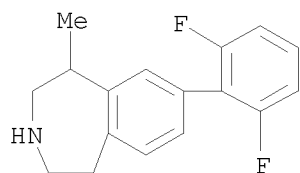
RN 851545-03-4 CAPLUS

CN 1H-3-Benzazepine, 8-(4-fluorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



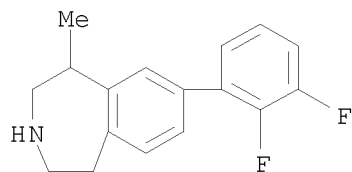
RN 851545-04-5 CAPLUS

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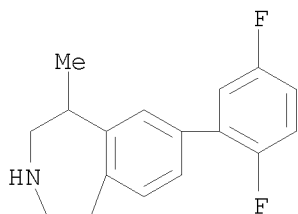
RN 851545-05-6 CAPLUS

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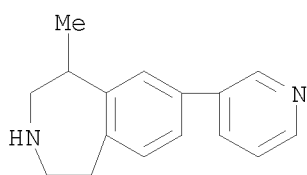


RN 851545-06-7 CAPLUS

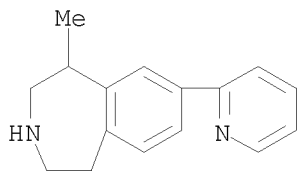
CN 1H-3-Benzazepine, 8-(2,5-difluorophenyl)-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



RN 851545-07-8 CAPLUS  
 CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(3-pyridinyl)- (CA INDEX NAME)



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 CN 1H-3-Benzazepine, 2,3,4,5-tetrahydro-1-methyl-8-(2-pyridinyl)- (CA INDEX NAME)

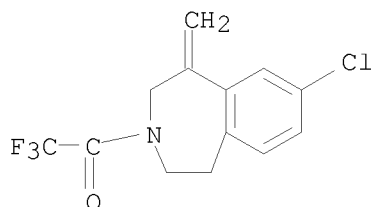


IT 616202-50-7P, N-Trifluoroacetyl-8-chloro-1-methylene-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-51-8P,  
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 616202-78-9P, (S)-N-Trifluoroacetyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine 616202-81-4P,  
 (S)-8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine  
 851477-54-8P, (S)-N-tert-Butoxycarbonyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851478-25-6P,  
 (S)-N-Trifluoroacetyl-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ol  
 851478-27-8P, (S)-N-Trifluoroacetyl-7-benzyloxy-1-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepine 851544-37-1P  
 851544-56-4P, 8-Hydroxy-1-methyl-2-oxo-2,3,5-trihydro-1H-benzo[d]azepine 851544-58-6P,  
 8-Benzyloxy-1-methyl-2-oxo-2,3,5-trihydro-1H-benzo[d]azepine 851544-62-2P 851544-69-9P,  
 1-[[2-(4-Methoxyphenyl)ethyl]amino]propan-2-ol 851544-70-2P,  
 (2-Bromopropyl)[2-(4-methoxyphenyl)ethyl]amine hydrobromide  
 851544-71-3P, N-tert-Butoxycarbonyl-5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-7-ol 851544-72-4P,  
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benzo[d]azepine 851544-74-6P,  
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 tetrahydrobenzo[d]azepine 851544-76-8P,  
 N-Trifluoroacetyl-7-Methoxy-1-methyl-8-phenyl-2,3,4,5-tetrahydro-1H-  
 benzo[d]azepine 851544-87-1P, Trifluoromethanesulfonic acid  
 N-tert-butoxycarbonyl-5-methyl-2,3,4,5-tetrahydro-1H-benzo[d]azepin-8-yl  
 ester 851544-88-2P, N-tert-Butoxycarbonyl-1-methyl-8-pyridin-2-  
 yl-2,3,4,5-tetrahydro-1H-benzo[d]azepine  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (intermediate; preparation of benzazepine derivs. and use as 5HT2C receptor  
 agonists)

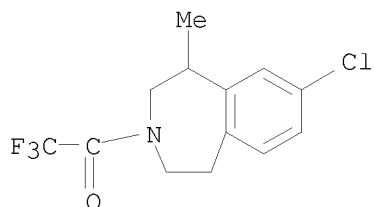
RN 616202-50-7 CAPLUS

CN Ethanone, 1-(8-chloro-1,2,4,5-tetrahydro-1-methylene-3H-3-benzazepin-3-yl)-  
 2,2,2-trifluoro- (CA INDEX NAME)



RN 616202-51-8 CAPLUS

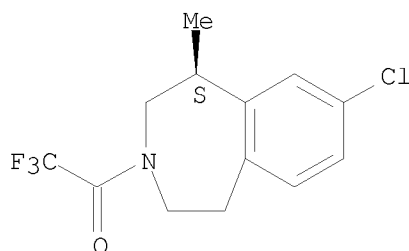
CN Ethanone, 1-(8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl)-  
 2,2,2-trifluoro- (CA INDEX NAME)



RN 616202-78-9 CAPLUS

CN Ethanone, 1-[(1S)-8-chloro-1,2,4,5-tetrahydro-1-methyl-3H-3-benzazepin-3-yl]-  
 2,2,2-trifluoro- (CA INDEX NAME)

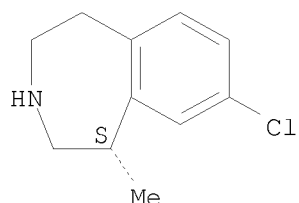
Absolute stereochemistry.



10/560,953

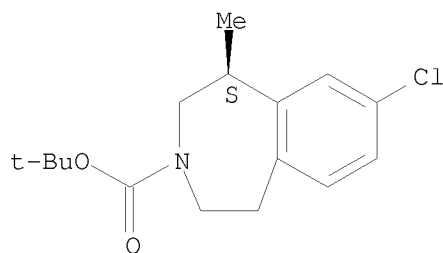
RN 616202-81-4 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1S)- (CA INDEX NAME)

Absolute stereochemistry.



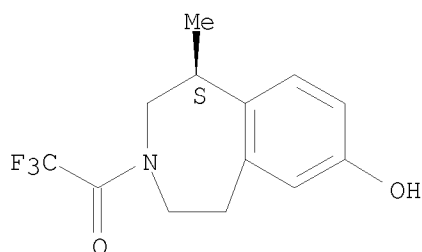
RN 851477-54-8 CAPLUS  
CN 3H-3-Benzazepine-3-carboxylic acid, 8-chloro-1,2,4,5-tetrahydro-1-methyl-, 1,1-dimethylethyl ester, (1S)- (CA INDEX NAME)

Absolute stereochemistry.



RN 851478-25-6 CAPLUS  
CN Ethanone, 2,2,2-trifluoro-1-[(1S)-1,2,4,5-tetrahydro-7-hydroxy-1-methyl-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

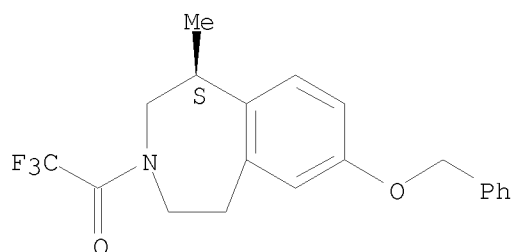
Absolute stereochemistry.



RN 851478-27-8 CAPLUS  
CN Ethanone, 2,2,2-trifluoro-1-[(1S)-1,2,4,5-tetrahydro-1-methyl-7-(phenylmethoxy)-3H-3-benzazepin-3-yl]- (CA INDEX NAME)

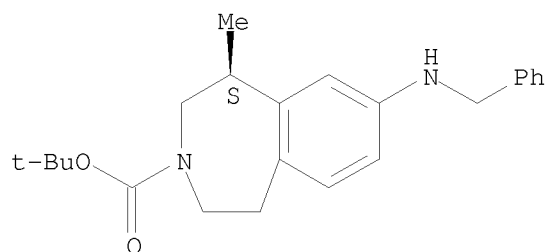
Absolute stereochemistry.

10/560,953

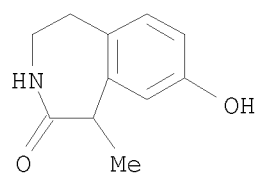


RN 851544-37-1 CAPLUS  
CN 3H-3-Benzazepine-3-carboxylic acid,  
1,2,4,5-tetrahydro-1-methyl-8-[(phenylmethyl)amino]-, 1,1-dimethylethyl  
ester, (1S)- (CA INDEX NAME)

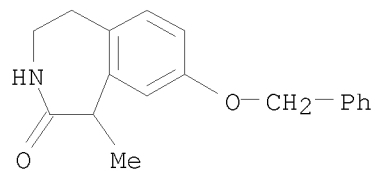
Absolute stereochemistry.



RN 851544-56-4 CAPLUS  
CN 2H-3-Benzazepin-2-one, 1,3,4,5-tetrahydro-8-hydroxy-1-methyl- (CA INDEX  
NAME)



RN 851544-58-6 CAPLUS  
CN 2H-3-Benzazepin-2-one, 1,3,4,5-tetrahydro-1-methyl-8-(phenylmethoxy)- (CA  
INDEX NAME)



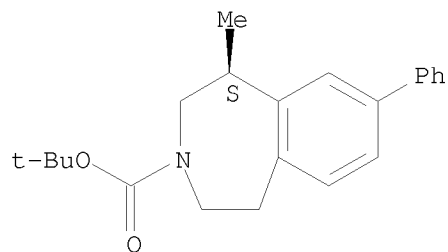
RN 851544-62-2 CAPLUS



10/560,953

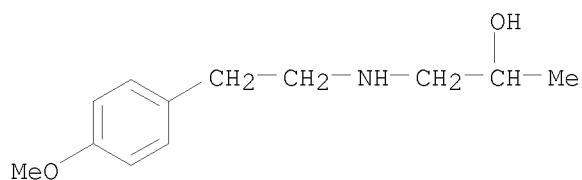
CN 3H-3-Benzazepine-3-carboxylic acid, 1,2,4,5-tetrahydro-1-methyl-8-phenyl-,  
1,1-dimethylethyl ester, (1S)- (CA INDEX NAME)

Absolute stereochemistry.



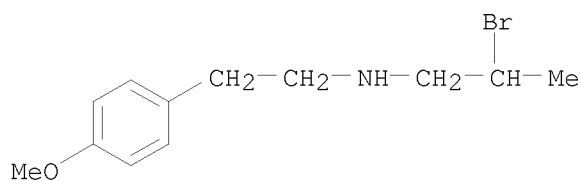
RN 851544-69-9 CAPLUS

CN 2-Propanol, 1-[[2-(4-methoxyphenyl)ethyl]amino]- (CA INDEX NAME)



RN 851544-70-2 CAPLUS

CN Benzeneethanamine, N-(2-bromopropyl)-4-methoxy-, hydrobromide (1:1) (CA INDEX NAME)

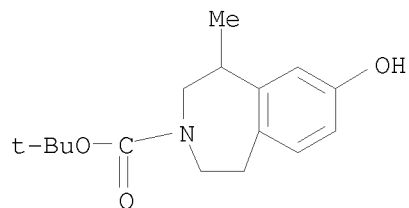


● HBr

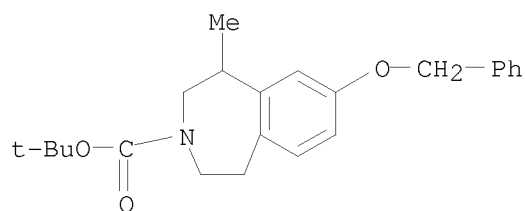
RN 851544-71-3 CAPLUS

CN 3H-3-Benzazepine-3-carboxylic acid,  
1,2,4,5-tetrahydro-8-hydroxy-1-methyl-, 1,1-dimethylethyl ester (CA INDEX NAME)

10/560,953

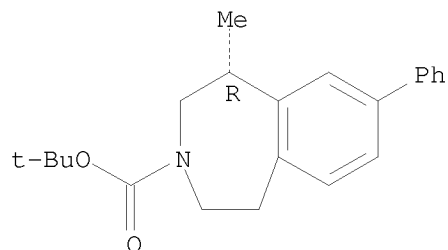


RN 851544-72-4 CAPLUS  
CN 3H-3-Benzazepine-3-carboxylic acid,  
1,2,4,5-tetrahydro-1-methyl-8-(phenylmethoxy)-, 1,1-dimethylethyl ester  
(CA INDEX NAME)

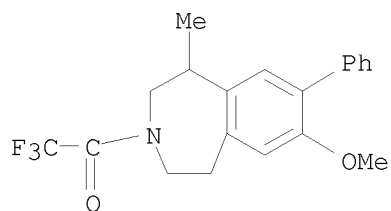


RN 851544-74-6 CAPLUS  
CN 3H-3-Benzazepine-3-carboxylic acid, 1,2,4,5-tetrahydro-1-methyl-8-phenyl-,  
1,1-dimethylethyl ester, (1R)- (CA INDEX NAME)

Absolute stereochemistry.



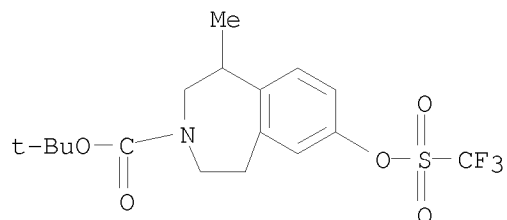
RN 851544-76-8 CAPLUS  
CN Ethanone, 2,2,2-trifluoro-1-(1,2,4,5-tetrahydro-7-methoxy-1-methyl-8-phenyl-3H-3-benzazepin-3-yl)- (CA INDEX NAME)



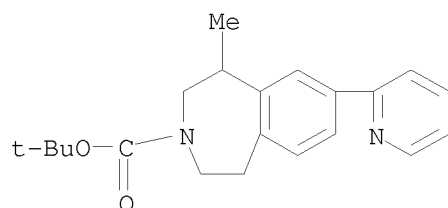
RN 851544-87-1 CAPLUS

10/560,953

CN 3H-3-Benzazepine-3-carboxylic acid,  
1,2,4,5-tetrahydro-1-methyl-7-[[ (trifluoromethyl)sulfonyl]oxy]-,  
1,1-dimethylethyl ester (CA INDEX NAME)

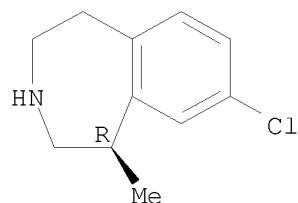


RN 851544-88-2 CAPLUS  
CN 3H-3-Benzazepine-3-carboxylic acid,  
1,2,4,5-tetrahydro-1-methyl-8-(2-pyridinyl)-, 1,1-dimethylethyl ester (CA  
INDEX NAME)

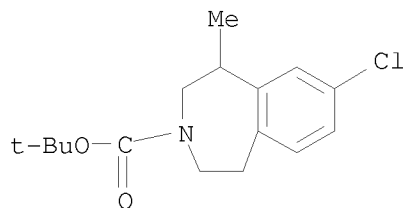


IT 616202-92-7 1019636-37-3  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(preparation of benzazepine derivs. and use as 5HT2C receptor agonists)  
RN 616202-92-7 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX  
NAME)

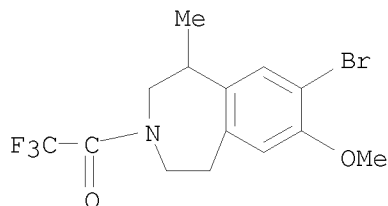
Absolute stereochemistry.



RN 1019636-37-3 CAPLUS  
CN 3H-3-Benzazepine-3-carboxylic acid, 8-chloro-1,2,4,5-tetrahydro-1-methyl-,  
1,1-dimethylethyl ester (CA INDEX NAME)

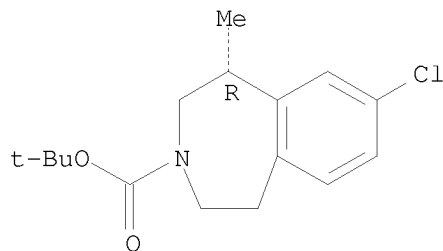


IT 616202-12-1, N-Trifluoroacetyl-8-bromo-7-methoxy-1-methyl-  
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 (R)-N-tert-Butoxycarbonyl-8-chloro-1-methyl-2,3,4,5-tetrahydro-1H-  
 benzo[d]azepine 851478-26-7,  
 (S)-N-Trifluoroacetyl-7-methoxy-1-methyl-2,3,4,5-tetrahydro-1H-  
 benzo[d]azepine  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (starting material; preparation of benzazepine derivs. and use as 5HT2C  
 receptor agonists)  
 RN 616202-12-1 CAPLUS  
 CN Ethanone, 1-(8-bromo-1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-3-benzazepin-  
 3-yl)-2,2,2-trifluoro- (CA INDEX NAME)



RN 851477-82-2 CAPLUS  
 CN 3H-3-Benzazepine-3-carboxylic acid, 8-chloro-1,2,4,5-tetrahydro-1-methyl-,  
 1,1-dimethylethyl ester, (1R)- (CA INDEX NAME)

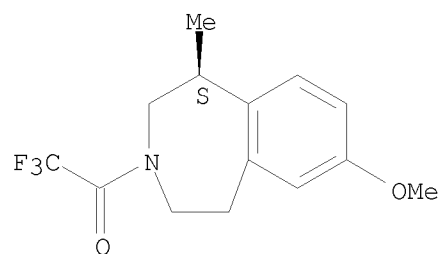
Absolute stereochemistry.



RN 851478-26-7 CAPLUS  
 CN Ethanone, 2,2,2-trifluoro-1-[(1S)-1,2,4,5-tetrahydro-7-methoxy-1-methyl-3H-  
 3-benzazepin-3-yl]- (CA INDEX NAME)

Absolute stereochemistry.

10/560,953



OS.CITING REF COUNT:	5	THERE ARE 5 CAPLUS RECORDS THAT CITE THIS RECORD (5 CITINGS)
REFERENCE COUNT:	3	THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2010 ACS on STN

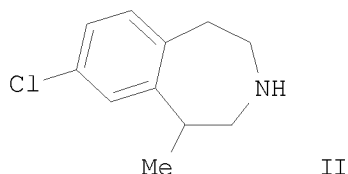
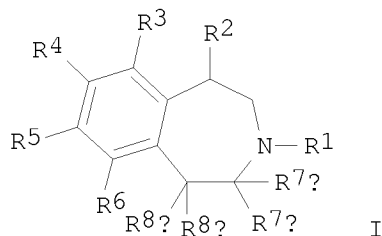
ACCESSION NUMBER: 2005:182631 CAPLUS  
 DOCUMENT NUMBER: 142:280072  
 TITLE: Processes for preparing 3-benzazepines  
 INVENTOR(S): Burbaum, Beverly W.; Gilson, Charles A., III; Aytes, Shelley; Estrada, Scott A.; Sengupta, Dipanjan; Smith, Brian; Rey, Max; Weigl, Ulrich  
 PATENT ASSIGNEE(S): Arena Pharmaceuticals, Inc., USA  
 SOURCE: PCT Int. Appl., 143 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005019179	A2	20050303	WO 2004-US19279	20040616
WO 2005019179	A3	20050804		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
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AU 2004267016	A1	20050303	AU 2004-267016	20040616
CA 2529401	A1	20050303	CA 2004-2529401	20040616
EP 1636191	A2	20060322	EP 2004-801895	20040616
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CN 1805939	A	20060719	CN 2004-80016780	20040616
BR 2004011613	A	20060808	BR 2004-11613	20040616
JP 2007521269	T	20070802	JP 2006-517336	20040616
CN 101274911	A	20081001	CN 2008-10007314	20040616
EP 2189448	A1	20100526	EP 2009-12098	20040616
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MX 2005013364	A	20060317	MX 2005-13364	20051208
KR 2006023163	A	20060313	KR 2005-724265	20051216
IN 2006KN00112	A	20070316	IN 2006-KN112	20060113
IN 239191	A1	20100312		
US 20080045502	A1	20080221	US 2007-560953	20070426
IN 2009KN00311	A	20090508	IN 2009-KN311	20090121
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			US 2003-512967P	P 20031021
			CN 2004-80016780	A3 20040616
			EP 2004-801895	A3 20040616
			WO 2004-US19279	W 20040616
			IN 2006-KN112	A3 20060113

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): CASREACT 142:280072; MARPAT 142:280072

GI



AB A process for the preparation of 3-benzazepines I [R1 = H; R2 = alkyl, alkoxy, carboxy, etc.; R3-6 = H, halo, alk(en/yn)yl, etc.; R7a-7b = H, halo, alk(en/yn)yl, etc.; R8a-8b = H, halo, alk(en/yn)yl, etc.] is disclosed. For instance, 2-(4-chlorophenyl)ethylamine is acylated with 2-chloropropionyl chloride (CH3CN, Et3N). The resulting amide is cyclized in the presence of a metal hydride, e.g., AlCl3 to the corresponding benzazepin-2-one. Reduction of this amide is accomplished with BH3 in THF to give II. Alternative, but similar procedures are provided and there are examples of resolution of the final product by formation of the L-tartaric acid salts. I are useful as serotonin (5-HT) receptor agonists [no data] for the treatment of, e.g., central nervous system disorders such as obesity.

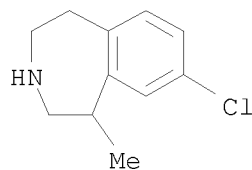
IT 616201-80-0P, 8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine

RL: IMF (Industrial manufacture); PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(processes for preparing 3-benzazepines as 5-HT receptor agonists)

RN 616201-80-0 CAPLUS

CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)



IT 846589-98-8P, (R)-8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine hydrochloride

RL: IMF (Industrial manufacture); PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

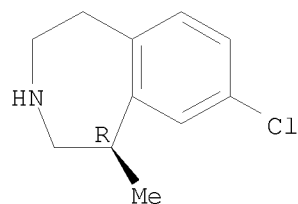
(processes for preparing 3-benzazepines as 5-HT receptor agonists)

RN 846589-98-8 CAPLUS

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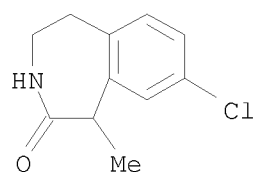
Absolute stereochemistry.

10/560,953



● HCl

IT 824430-77-5P, 8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepin-2-one 847063-12-1P 847063-13-2P, 1-[[2-(4-Chlorophenyl)ethyl]amino]-2-hydroxypropane 847063-14-3P, 1-[[2-(4-Chlorophenyl)ethyl]amino]-2-bromopropane 897926-35-1P  
RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (processes for preparing 3-benzazepines as 5-HT receptor agonists)  
RN 824430-77-5 CAPLUS  
CN 2H-3-Benzazepin-2-one, 8-chloro-1,3,4,5-tetrahydro-1-methyl- (CA INDEX NAME)

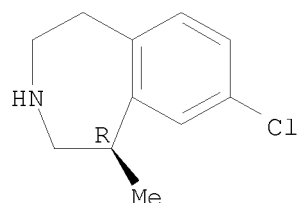


RN 847063-12-1 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)-, (2R,3R)-2,3-dihydroxybutanedioate (2:1) (CA INDEX NAME)

CM 1

CRN 616202-92-7  
CMF C11 H14 Cl N

Absolute stereochemistry.



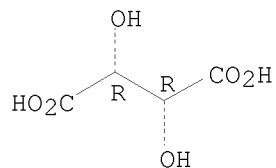
CM 2



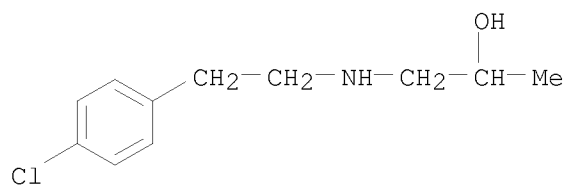
10/560,953

CRN 87-69-4  
CMF C4 H6 O6

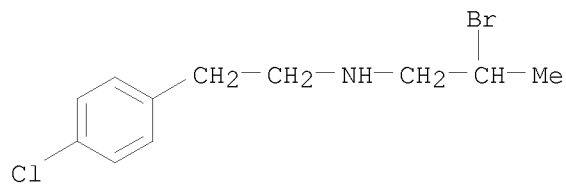
Absolute stereochemistry.



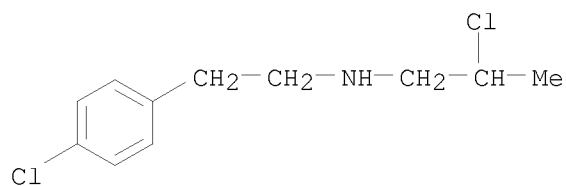
RN 847063-13-2 CAPLUS  
CN 2-Propanol, 1-[[2-(4-chlorophenyl)ethyl]amino]- (CA INDEX NAME)



RN 847063-14-3 CAPLUS  
CN Benzeneethanamine, N-(2-bromopropyl)-4-chloro- (CA INDEX NAME)



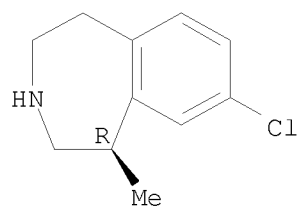
RN 897926-35-1 CAPLUS  
CN Benzeneethanamine, 4-chloro-N-(2-chloropropyl)- (CA INDEX NAME)



IT 616202-92-7, (R)-8-Chloro-1-methyl-2,3,4,5-tetrahydro-1H-3-benzazepine  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(processes for preparing 3-benzazepines as 5-HT receptor agonists)  
RN 616202-92-7 CAPLUS  
CN 1H-3-Benzazepine, 8-chloro-2,3,4,5-tetrahydro-1-methyl-, (1R)- (CA INDEX NAME)

10/560,953

Absolute stereochemistry.



OS.CITING REF COUNT:	1	THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (3 CITINGS)
REFERENCE COUNT:	4	THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1997:722 CAPLUS  
 DOCUMENT NUMBER: 126:86522  
 ORIGINAL REFERENCE NO.: 126:16641a,16644a  
 TITLE: Synthesis of nonpeptide, protease-binding compounds  
 and diagnostic or therapeutic uses for detecting or  
 inhibiting retroviral proteases  
 INVENTOR(S): Ortiz de Montellano, Paul R.; Kuntz, Irwin D.; Craik,  
 Charles S.; Furth, Paul S.; Alvarez, Juan C.; Caldera,  
 Patricia S.; Decamp, Dianne L.; Babe, Lilia M.; De  
 Voss, James; Salto, Rafael; Sui, Zhihua  
 PATENT ASSIGNEE(S): The Regents of the University of California, USA  
 SOURCE: U.S., 71 pp., Cont.-in-part of U.S. Ser. No. 753,878,  
 abandoned.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 5583000	A	19961210	US 1993-122792	19930916
PRIORITY APPLN. INFO.:			US 1991-753878	B2 19910903

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 126:86522

AB Non-peptide, protease-binding compds. are synthesized and characterized.  
 These compds. are useful in the detection of retroviral proteinase in a  
 biol. sample, inhibiting precursor protein processing by retroviral  
 proteinases in living cells, or labeling retroviral proteinases.  
 Haloperidol derivs. and analogs are indexed, as well as LD50, IC50,  
 therapeutic index, HIV-2 proteinase inhibitory activity, and solubility of the  
 compds. Aryl piperidinyl derivs. and other compds. related in structure  
 bind to HIV-1 and HIV-2 proteases.

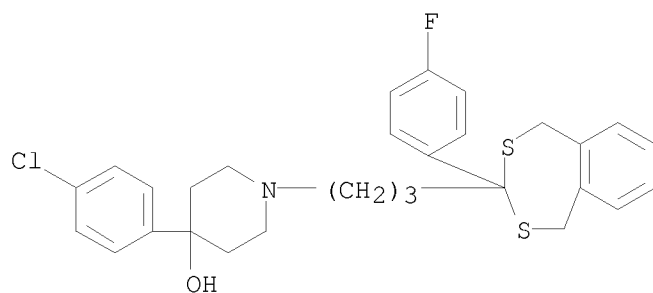
IT 185625-85-8P

RL: ARG (Analytical reagent use); BAC (Biological activity or effector,  
 except adverse); BPR (Biological process); BSU (Biological study,  
 unclassified); SPN (Synthetic preparation); THU (Therapeutic use); ANST  
 (Analytical study); BIOL (Biological study); PREP (Preparation); PROC  
 (Process); USES (Uses)

(preparation, inhibitor activity, and use; synthesis of nonpeptide,  
 protease-binding compds. and diagnostic or therapeutic uses for  
 detecting or inhibiting retroviral proteases)

RN 185625-85-8 CAPLUS

CN 4-Piperidinol, 4-(4-chlorophenyl)-1-[3-[3-(4-fluorophenyl)-1,5-dihydro-2,4-  
 benzodithiepin-3-yl]propyl]- (CA INDEX NAME)



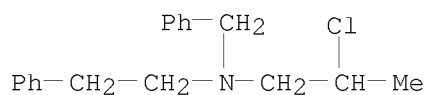
IT 185626-75-9

RL: RCT (Reactant); RACT (Reactant or reagent)

(reaction with chlorophenyl hydroxypiperidine; synthesis of nonpeptide, protease-binding compds. and diagnostic or therapeutic uses for detecting or inhibiting retroviral proteases)

RN 185626-75-9 CAPLUS

CN Benzeneethanamine, N-(2-chloropropyl)-N-(phenylmethyl)- (CA INDEX NAME)



OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 1968:12074 CAPLUS

DOCUMENT NUMBER: 68:12074

ORIGINAL REFERENCE NO.: 68:2271a

TITLE: Chemistry of nitrogen radicals. VI. The free-radical addition of dialkyl-N-chloramines to substituted olefins

AUTHOR(S): Neale, Robert S.; Marcus, Nancy L.

CORPORATE SOURCE: Union Carbide Res. Inst., Tarrytown, NY, USA

SOURCE: Journal of Organic Chemistry (1967), 32(11), 3273-84  
CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 68:12074

AB The facile synthesis of a variety of substituted  $\beta$ -chloramines was accomplished in 46-92% yield by the free-radical addition of N-chlorodialkylamines to vinyl and allyl compds. in H<sub>2</sub>SO<sub>4</sub>-HOAc. These 1-step reactions are sufficiently general to constitute the method of choice for the preparation of the novel adducts described. The results are also of mechanistic significance, since they demonstrate further that addition to multiple C-C bonds is a reaction characteristic of aminium radicals generated from chloramines. The results also provide further data pertaining to the steric requirements of the addition reaction with vinyl chlorides and to previously recognized competitive processes involving either aminium radical rearrangement or electrophilic chlorination by the protonated chloramine. 36 references.

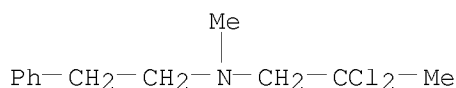
IT 13426-41-0P 13426-42-1P 13426-43-2P

13426-66-9P 13444-39-8P

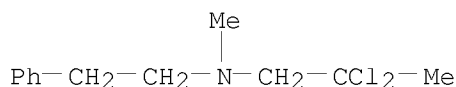
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 13426-41-0 CAPLUS

CN Benzeneethanamine, N-(2,2-dichloropropyl)-N-methyl- (CA INDEX NAME)



RN 13426-42-1 CAPLUS

CN Benzeneethanamine, N-(2,2-dichloropropyl)-N-methyl-, hydrochloride (1:1)  
(CA INDEX NAME)

● HCl

RN 13426-43-2 CAPLUS

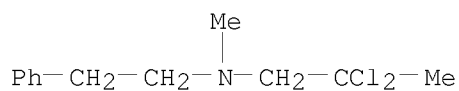
CN Benzeneethanamine, N-(2,2-dichloropropyl)-N-methyl-, compd. with  
2,4,6-trinitrophenol (1:1) (CA INDEX NAME)

10/560,953

CM 1

CRN 13426-41-0

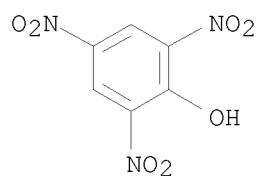
CMF C12 H17 Cl2 N



CM 2

CRN 88-89-1

CMF C6 H3 N3 O7



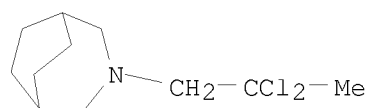
RN 13426-66-9 CAPLUS

CN 3-Azabicyclo[3.2.2]nonane, 3-(2,2-dichloropropyl)-, compd. with  
2,4,6-trinitrophenol (1:1) (CA INDEX NAME)

CM 1

CRN 13444-39-8

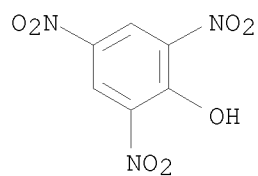
CMF C11 H19 Cl2 N



CM 2

CRN 88-89-1

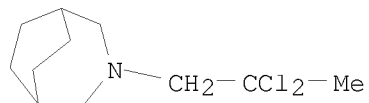
CMF C6 H3 N3 O7



10/560,953

RN 13444-39-8 CAPLUS

CN 3-Azabicyclo[3.2.2]nonane, 3-(2,2-dichloropropyl)- (CA INDEX NAME)



OS.CITING REF COUNT: 1

THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD  
(1 CITINGS)

10/560,953

L15 ANSWER 25 OF 25 REGISTRY COPYRIGHT 2010 ACS on STN

RN 27487-50-9 REGISTRY

ED Entered STN: 16 Nov 1984

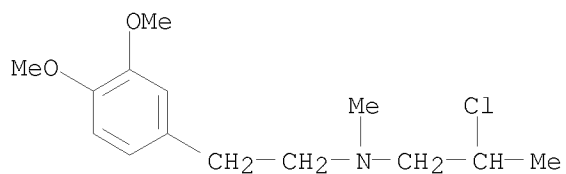
CN Benzeneethanamine, N-(2-chloropropyl)-3,4-dimethoxy-N-methyl-,  
hydrochloride (1:1) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzeneethanamine, N-(2-chloropropyl)-3,4-dimethoxy-N-methyl-,  
hydrochloride (9CI)

MF C14 H22 Cl N O2 . Cl H

CRN (46906-45-0)

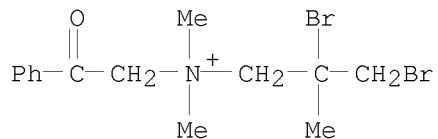


● HCl



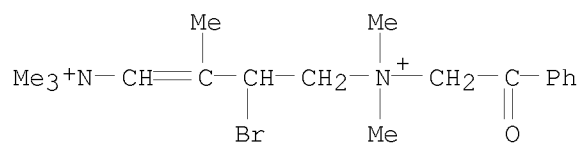
10/560,953

L15 ANSWER 20 OF 25 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 760140-60-1 REGISTRY  
ED Entered STN: 10 Oct 2004  
CN Benzeneethanaminium, N-(2,3-dibromo-2-methylpropyl)-N,N-dimethyl- $\beta$ -  
oxo- (CA INDEX NAME)  
MF C14 H20 Br2 N O  
CI COM  
SR CA



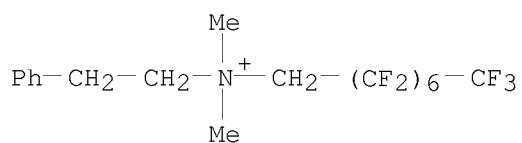
10/560,953

L15 ANSWER 21 OF 25 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 736891-83-1 REGISTRY  
ED Entered STN: 01 Sep 2004  
CN 1-Butene-1,4-diaminium, 3-bromo-N1,N1,N1,N4,N4,2-hexamethyl-N4-(2-oxo-2-phenylethyl)- (CA INDEX NAME)  
MF C18 H29 Br N2 O  
CI COM  
SR CA



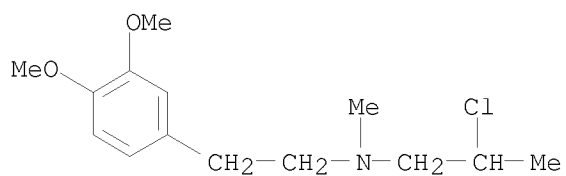
10/560,953

L15 ANSWER 22 OF 25 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 47737-72-4 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Benzeneethanaminium, N,N-dimethyl-N-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctyl)- (CA INDEX NAME)  
MF C18 H17 F15 N  
CI COM



10/560,953

L15 ANSWER 23 OF 25 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 46906-45-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Benzeneethanamine, N-(2-chloropropyl)-3,4-dimethoxy-N-methyl- (CA INDEX  
NAME)  
MF C14 H22 Cl N O2  
CI COM



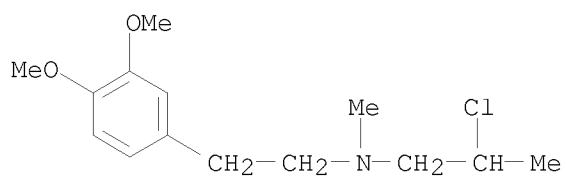
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

10/560,953

L15 ANSWER 24 OF 25 REGISTRY COPYRIGHT 2010 ACS on STN  
RN 27487-51-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Benzeneethanamine, N-(2-chloropropyl)-3,4-dimethoxy-N-methyl-,  
ethanedioate (1:1) (CA INDEX NAME)  
MF C14 H22 Cl N O2 . C2 H2 O4

CM 1

CRN 46906-45-0  
CMF C14 H22 Cl N O2



CM 2

CRN 144-62-7  
CMF C2 H2 O4

